



February 2009

**Section 27
Environmental Protection Act
R.S.O. 1990**

**Sample Application Package for a
Comprehensive Waste Transfer and Processing Facility
Certificate of Approval**

PIBS 6837e

Protecting our environment.



FORWARD

This document has been produced by the Environmental Assessment and Approvals Branch as an example of a complete application submission for a Comprehensive Certificate of Approval for a waste disposal site (transfer/processing). While every attempt has been made to ensure the accuracy of the information contained in this document, it should not be construed as legal advice.

The following forms have been used in this sample application package:

- [Application for a Provisional Certificate of Approval for a Waste Disposal Site.](#)

Instructions for completing these forms and additional information about applying for a Waste Disposal Site Certificate of Approval is available in the following publications:

- [Green Facts: Certificates of Approval – Waste Disposal and Management.](#)
- [Guide to Applying for Approval of Waste Disposal Sites.](#)
- [Guide – Application costs for Waste Management, EPA s. 27.](#)

For more information about Certificates of Approval or to obtain an application package, please visit the Ministry of the Environment Internet site at <http://www.ene.gov.on.ca> or contact:

Ministry of the Environment
Environmental Assessment and Approvals Branch
2 St.Clair Ave. W, Floor 12A
Toronto, ON M4V 1L5

Toll Free: 1-800-461-6290
Phone: 416-314-8001
Fax: 416-314-8452
Email: EAABGen@ene.gov.on.ca



General Manager
ACME Waste Inc.
123 Anywhere Street
Anytown, Ontario
N9N 1A1

November 14, 2008

Ontario Ministry of the Environment
Director Section 27, Environmental Assessment and Approvals Branch
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario M4V 1L5

RE: Application for a Comprehensive Certificate of Approval (Waste Disposal), ACME Waste Inc.

ACME Waste Inc. (ACME) is pleased to submit an application for a Comprehensive Provisional Certificate of Approval (PCOA) for the construction and operation of a new waste transfer and processing facility to manage non-hazardous solid municipal waste. The facility will be located on a 5 hectare property that is currently owned by ACME and located at 123 Fraser Drive, Anytown, Ontario.

A Comprehensive PCOA provides a company with limited operational flexibility to make changes to defined aspects of the site's operations without a requirement to make an application for amendment. It includes conditions that describe the scope within which the changes can be made. It allows industry to plan and to make changes to their facilities in a timely manner and reduce the delays associated with the traditional approvals process.

A Comprehensive PCOA incorporates additional conditions to ensure that the Ontario Ministry of the Environment is kept informed of the continued site operations, that the company remains in compliance with legislative requirements and that the environment is not adversely affected. The extent to which operational flexibility is permitted by a Comprehensive PCOA for a waste disposal site is contained with the Engineer's Report attached with this application.

The approval being sought is to allow for the following initial activities on site:

- The receipt for transfer and processing of an annual average of 600 tonnes per day of solid municipal waste from residential and industrial, commercial and institutional (IC&I) generators.
- The receipt of a maximum of 219,000 tonnes of waste annually.
- In order to account for seasonal fluctuations in waste generation, the operator may receive or ship off-site up to 1,200 tonnes of waste per day, provided that the maximum annual limit of 219,000 tonnes per year is not exceeded.
- A maximum on-site waste storage of 500 tonnes at any one time.

- Shipping and receiving hours of 7:00 am to 8:00 pm Monday to Saturday.
- Operating hours of 24 hours a day, Monday to Sunday.

Initially, the site will not operate to the full limits of the Comprehensive PCOA, which are outlined in the Engineer's Report as follows:

- The receipt for transfer and processing of an average of 1,000 tonnes per day of solid municipal waste.
- The receipt or shipment off-site of a maximum of 365,000 tonnes of waste annually.
- In order to account for seasonal fluctuations in waste generation, the operator may receive or ship off site up to 2,500 tonnes of waste per day, provided that the maximum annual limit of 365,000 tonnes per year is not exceeded.
- A maximum on-site waste storage of 500 tonnes at any one time
- Operating hours of 24 hours a day, Monday to Sunday.

Please find attached two copies of an Application for a Provisional Certificate of Approval for a Waste Disposal Site package, including the required fee and complete with the following documentation:

Attachment 1: Environmental Bill of Rights Environmental Registry Abstract

Attachment 2: Proof of Legal Name

Attachment 3: Design and Operations Report

Attachment 4: Record of Consultation

Attachment 5: Financial Assurance Report

Attachment 6: Engineer's Report

Attachment 7: Applicant, Technical Information Contact and Engineer's Statement

Attachment 8: Reference Plan

If you have any questions regarding this application, please do not hesitate to contact me at (905) 555-1234.

Yours truly,

Abe Goodguy
General Manager

cc: MOE Anytown District Office

Application For Approval

Application for a Provisional Certificate of Approval for a Waste Disposal Site

Ce formulaire est disponible en français

For Office Use Only			
Reference Number	Payment Received \$	Date (y/m/d)	Initials

Application Summary

Applicant Name (legal name of individual or organization as evidenced by legal documents)

ACME Waste Inc.

Project Name (Project identifier to be used as a reference in correspondence)

Application for a Comprehensive Provisional Certificate of Approval

Project Description Summary (If EBR is applicable, this summary will be used in the EBR posting notice)

Application for the construction and operation of a new waste transfer and processing facility to manage non-hazardous solid municipal waste (EBR Abstract provided as Attachment 1).

Required Information	Completed (yes or no)
Project Name & Description	Yes
Section 1: Applicant Information	Yes
Section 2: Project Information	Yes
Section 3: Site Information	Yes
Section 4: Facility Information	Yes
Section 5: Regulatory Requirements	Yes
Section 6: Supporting Information	Yes
Payment Information Section	Yes
Application Status: FORM COMPLETE.	

Cost Summary:

Administrative processing (required for most applications)	\$ 200.00
Hearing (if mandatory or necessary)	\$ 0.00

Review of Application	\$ 4,800.00
TOTAL COST	\$ 5,000.00

Section 1: Applicant Information

1.1 Applicant Information (Owner of works/facility)

Applicant Name (legal name of individual or organization as evidenced by legal documents) ACME Waste Inc.		Business Identification Number 123456789
Business Name (the name under which the entity is operating or trading - also referred to as trade name) ACME Waste Inc.		<input type="checkbox"/> same as Applicant Name
Applicant Type: <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Individual <input type="checkbox"/> Partnership <input type="checkbox"/> Sole Proprietor		North American Industry Classification System (NAICS) Code 562210 Waste Treatment and Disposal
<input type="checkbox"/> Federal Government <input type="checkbox"/> Municipal Government <input type="checkbox"/> Provincial Government <input type="checkbox"/> Other (describe):		
Business Activity Description (a description of the business endeavour, this may include products sold, services provided or machinery/equipment used, etc.)		

1.2 Applicant Physical Address

Civic Address- Street information (includes street number, name, type and direction) 123 Fraser Drive				Unit Identifier (i.e. apartment number)	
Survey Address (Not required if Street Information is provided)	Lot	Conc.	Part	Reference Plan	
City/Unorganized Township Anytown	County/District	Province/State Ontario	Country Canada	Postal Code B2C 2C3	
Telephone Number (include area code & ext.) (905)555-1234 ext.	Fax Number (include area code)	Mobile Number (include area code)	E-mail Address		
Geo Reference (southwest corner of property)					
Map Datum NAD83	Zone 17	Accuracy Estimate 10-20m	Geo Referencing Method GPS	UTM Easting 515321	UTM Northing 6457891

1.3 Applicant Mailing Address

Same as Applicant Physical Address? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If no, please provide site address information below)					
Civic Address - Street information (civic numbering and street information including street number, name, type and direction) 123 Fraser Drive				Unit Identifier (i.e. apartment number)	
Delivery Designator		Delivery Identifier		Postal Station	
City Anytown	Province/State Ontario	Country Canada	Postal Code B2C 2C3		

1.4 Statement of Applicant

I, the undersigned hereby declare that, to the best of my knowledge: <ul style="list-style-type: none">The information contained herein and the information submitted in support of this application is complete and accurate in every way and I am aware of the penalties against providing false information as per s. 184(2) of the <i>Environmental Protection Act</i>.The Project Technical Information Contact identified in this form is authorized to act on my behalf for the purpose of obtaining approval under Section 27 of the EPA for the waste disposal site identified herein.I have used the most recent application form, as obtained from the Ministry of the Environment Internet site at http://www.ene.gov.on.ca/en/publications/forms/index.php#PartWaste or the Environmental Assessment and Approvals Branch at 1-800-461-6290.		
Name of Signing Authority (please print) Abe Goodguy		Title Manager, ACME Waste Inc.
Telephone Number (including area code & extension) (905)555-1234 ext.	Fax Number (including area code) (905)555-1235	E-mail Address AGoodguy@acme.com
Mobile Number (including area code) (905)555-1236	Signature	Date (y/m/d)

Section 2: Project Information

2.1 Application Type

Type of Application:	
<input type="checkbox"/> New Certificate of Approval	<input checked="" type="checkbox"/> New Comprehensive Certificate of Approval
<input type="checkbox"/> Amendment to Current Certificate of Approval	<input type="checkbox"/> Convert Existing Approval to Comprehensive Certificate of Approval
<input type="checkbox"/> Administrative Amendment to Current Certificate of Approval	<input type="checkbox"/> Revocation
<input type="checkbox"/> Compliance with Conditions of the Existing Approval	
Is this a submission for Preliminary Review of your application?	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If yes, the application must be complete and finalized before you submit it for Preliminary Review.</i>	
Application Initiated by:	
<input checked="" type="checkbox"/> Proponent	<input type="checkbox"/> Environmental Assessment and Approvals Branch
<input type="checkbox"/> Provincial Officer Order (attach copy)	<input type="checkbox"/> Other (specify):
Current Certificate of Approval	
Certificate of Approval Number	Certificate of Approval Date of Issue (yyyy/mm/dd)
Project Schedule	
Estimated date for start of construction/installation (yyyy/mm/dd)	Estimated date for start of operation (yyyy/mm/dd)
2010/02/28	2011/02/28
Comprehensive Certificate of Approval – Eligibility Screening Questionnaire	
1. Does the waste disposal site that is the subject of this application meet all of the requirements for eligibility specified in the most current version of the Ministry document titled "Guide for Applying for Approval of Waste Disposal Sites" found on the Ministry website at www.ene.gov.on.ca ?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2. Does the application being submitted include all of the information that is required for a comprehensive certificate of approval as specified in the most current version of the Ministry document titled, "Guide for Applying for Approval of Waste Disposal Sites" found on the Ministry website at: www.ene.gov.on.ca ?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3. Have both the Project Information Technical Contact for this application and the preparer of the Engineer's Report attended the mandatory Waste Comprehensive Certificate of Approval orientation session?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
4. Does the waste disposal site for which this proposal is made have any outstanding environmental issues or complaints?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Screening Result: This application is eligible to be submitted for a Comprehensive CofA	

2.2 Project Technical Information Contact

Name of Project Technical Information Contact		Company	
Joe Consultant		P.E.S. Waste Management	
Telephone Number (include area code & ext.)	Fax Number (include area code)	Mobile Number (include area code)	E-mail Address
(647)555-8921 ext.	(647)555-8921	(647)555-8922	joeconsultant@pes.com
Address Information:			
Same as Applicant Mailing Address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If no, please provide technical information contact address information below)			
Civic Address - Street information (civic numbering and street information including street number, name, type and direction)			Unit Identifier (i.e. apartment number)
1234 Consultant Way			
Delivery Designator	Delivery Identifier	Postal Station	
City	Province/State	Country	Postal Code
Anyother town	Ontario	Canada	A1B 2C3

Section 3: Site Information

3.1 Site Address - (location where activity/works applied for is to take place)

Same as Applicant Physical Address? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If no, please provide site address information below)					
Civic Address- Street information (includes street number, name, type and direction) 123 Fraser Drive					Unit Identifier (i.e. apartment number)
Survey Address (Legal description of the site)	Lot 1	Conc. 10	Part 12R	Reference Plan 0001	
City/Unorganized Township Anytown		County/District		Postal Code B2C 2C3	
Non Address Information (includes any additional information to clarify applicants' physical location)					
Geo Reference (southwest corner of property)					
Map Datum NAD83	Zone 17	Accuracy Estimate 10-20m	Geo Referencing Method GPS	UTM Easting 515321	UTM Northing 6457891

3.2 Site Information - (location where activity/works applied for is to take place)

Site Name ACME Waste Transfer and Processing Facility	MOE District Office Anytown District Office
Is the site (property) that is the subject of this application owned by the Applicant? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>If no, please attach the owner's name, address and a signed letter granting consent for the installation and operation of the facilities</i>	
Is the Applicant the operating authority of the site that is the subject of this application? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>If no, please attach the operating authority name, address and phone number</i>	
Is the Site located in an area of development control as defined by the Niagara Escarpment Planning & Development Act (NEPDA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If yes, please attach a copy of the NEPDA permit for proposed activity/work</i>	
Is the Site located on the Oak Ridges Moraine Conservation Area as defined by the Oak Ridges Moraine Conservation Plan (ORMCP), a regulation made under the Oak Ridges Moraine Conservation Act (ORMCA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If yes, please attach proof of Municipal planning approval for the proposed activity/work</i>	

3.3 Site Zoning and Classification

Present Land Use Undeveloped	Present Official Plan Designation Industrial	Present Zoning Category General Industrial (M2)
Adjacent Land Use (select all that apply) <input checked="" type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input type="checkbox"/> Residential <input type="checkbox"/> Agricultural <input type="checkbox"/> Recreational <input type="checkbox"/> Other(specify):		
Does the site currently have proper zoning for the proposed facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Has this facility been identified as part of the Official Plan? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Has the Applicant received municipal zoning confirmation? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>If yes, please attach correspondence from the municipality</i>		

Section 4: Facility Information

4.1 Facility Description (information on the nature of the proposed business or activity at this site)

Type of Facility / Operation (select all that apply & complete all appropriate sections)								
<input type="checkbox"/> Landfill	<input checked="" type="checkbox"/> Transfer	<input checked="" type="checkbox"/> Processing	<input type="checkbox"/> Thermal Treatment Facility	<input type="checkbox"/> Household Hazardous Waste				
<input type="checkbox"/> Closed / Decommissioned	<input type="checkbox"/> Composting							
Days and Hours of Operation		Population Served by this Site (#)		Service Area		Total Area of Site (hectares)		
Monday to Saturday 24 hours/day		55,000		Ontario		5.00		
Monitoring (select all that apply)								
<input type="checkbox"/> Groundwater	<input type="checkbox"/> Surface Water	<input type="checkbox"/> Landfill Gas	<input type="checkbox"/> Leachate	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other(specify):			
Type(s) of Waste to be Accepted at this Site (select all that apply)								
<input checked="" type="checkbox"/> Municipal Waste	<input type="checkbox"/> Hazardous Waste	<input type="checkbox"/> Liquid Industrial Waste	<input type="checkbox"/> Other Liquid Waste					
Municipal Waste Categories to be Accepted at this Site (select all that apply)								
<input checked="" type="checkbox"/> All Categories	<input type="checkbox"/> Domestic Sources	<input type="checkbox"/> IC&I Sources	<input type="checkbox"/> Source Separated Organics	<input type="checkbox"/> Tires	<input type="checkbox"/> Leaf & Yard Waste			
<input type="checkbox"/> Contaminated Soil	<input type="checkbox"/> Wood Waste	<input type="checkbox"/> Blue Box Materials	<input type="checkbox"/> Other(specify):					
Other Liquid Waste Categories to be Accepted at this Site (select all that apply)								
<input type="checkbox"/> Processed Organics	<input type="checkbox"/> Waste from Food Processing / Preparation Operations	<input type="checkbox"/> Hauled Sewage	<input type="checkbox"/> Other(specify):					
Hazardous / Liquid Industrial Waste Types to be Accepted at this Site								
Class Code	Class Code	Class Code	Class Code	Class Code	Class Code	Class Code	Class Code	Class Code

4.2 Other Approvals for Facility – Please attach a separate list if more space is required

Separate list attached? ☐ Yes ☒ No

List all other environmental approvals/permits applied for related to this project or received in relation to this project under the *Environmental Protection Act* (discharges to air, waste management, etc.) and the *Ontario Water Resources Act* (water and sewage works).

Approval Type	Approval Number (if approval issued)	Approval or Application Date (dd/mm/yyyy)	Approval Type	Approval Number (if approval issued)	Approval or Application Date (dd/mm/yyyy)

4.3 Waste Transfer and/or Processing – Complete this information if waste transfer and/or processing take place at this facility.

Liquid Waste									
Maximum Storage Capacity (m³)			Maximum Residual for Final Disposal (m³)						
Hazardous	Liquid Industrial	Other Liquid Waste	Hazardous		Liquid Industrial		Other Liquid Waste		
			Daily	Annually	Daily	Annually	Daily	Annually	
Solid Waste									
Maximum Storage Capacity (tonnes)			Maximum Residual for Final Disposal (tonnes)						
Hazardous		Non-Hazardous	Hazardous		Non-Hazardous		Non-Hazardous		
			Daily	Annually	Daily	Annually	Daily	Annually	
		500.00					2,500.00	365,000.00	
Maximum Amount of Waste to be Received Daily									
Liquid (m³)		Other Liquid Waste		Solid (tonnes)					
Hazardous	Liquid Industrial		Hazardous		Non-Hazardous				
					2,500.00				
Design Capacity					Requires Fundamental Design Review?				
Hazardous waste or liquid industrial waste		<input type="checkbox"/> ≤ 100 tonnes per day	<input type="checkbox"/> > 100 tonnes per day		<input type="checkbox"/> Yes		<input type="checkbox"/> No		
Waste other than hazardous waste and liquid industrial waste		<input type="checkbox"/> ≤ 100 tonnes per day	<input checked="" type="checkbox"/> > 100 tonnes per day		<input checked="" type="checkbox"/> Yes		<input type="checkbox"/> No		

4.4 Thermal Treatment Facility – Complete this information if thermal treatment takes place at this facility

You are not required to complete section 4.3.

Liquid Waste							
Maximum Storage Capacity (m^3)			Maximum Residual for Final Disposal (m^3)				
Hazardous	Liquid Industrial	Other Liquid Waste	Hazardous		Liquid Industrial		Other Liquid Waste
			Daily	Annually	Daily	Annually	Daily Annually

Solid Waste					
Maximum Storage Capacity (tonnes)		Maximum Residual for Final Disposal (tonnes)			
Hazardous	Non-Hazardous	Hazardous		Non-Hazardous	
		Daily	Annually	Daily	Annually

Maximum Amount of Waste to be Received Daily				
Liquid (m^3)			Solid (tonnes)	
Hazardous	Liquid Industrial	Other Liquid Waste	Hazardous	Non-Hazardous

Maximum Daily Feed Rate (tonnes/ m^3)			
Hazardous Waste (tonnes)	Non-Hazardous Waste (tonnes)	Liquid Industrial Waste (m^3)	Other Liquid Waste (m^3)

Design Capacity		Requires Fundamental Design Review?	
Hazardous waste or liquid industrial waste	<input type="checkbox"/> ≤ 100 tonnes per day <input type="checkbox"/> > 100 tonnes per day	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Waste other than hazardous waste and liquid industrial waste	<input type="checkbox"/> ≤ 100 tonnes per day <input type="checkbox"/> > 100 tonnes per day	<input type="checkbox"/> Yes <input type="checkbox"/> No	

4.5 Landfill Site – Complete this information if this facility operates as a landfill site

You are not required to complete section 4.3.

Maximum Landfilling Capacity (m^3)							
Hazardous Waste		Non-Hazardous Waste		Liquid Industrial Waste		Other Liquid Waste	

Maximum Amount of Waste to be Received							
Hazardous Waste (tonnes)		Non-Hazardous Waste (tonnes)		Liquid Industrial Waste (m^3)		Other Liquid Waste (m^3)	
Daily	Annually	Daily	Annually	Daily	Annually	Daily	Annually

Landfill Information		
Area to be Landfilled (hectares)	Estimated Date of Closure (y/m/d)	Control Types (select all that apply)
		<input type="checkbox"/> Leachate Collection <input type="checkbox"/> Landfill Gas Collection <input type="checkbox"/> Other (describe):

Design Capacity		Requires Fundamental Design Review or Hydrogeological Assessment?	
Hazardous waste or liquid industrial waste		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Waste referred to in item 15 Schedule 4, O. Reg. 363 (uncontaminated tree stumps, leaves, branches, concrete and rocks)		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Waste other than hazardous waste and liquid industrial waste, other than site referred to in item 15, schedule 4, O. Reg. 363			
<input type="checkbox"/> $\leq 40,000 m^3$	<input type="checkbox"/> $> 40,000 m^3 \leq 3 \text{ million } m^3$	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Section 5: Regulatory Requirements

5.1 Environmental Assessment Act (EAA) Requirements

Are the works for which this proposal is made subject to (or exempted from) the requirements of the EAA? ☐ Yes ☒ No

If "Yes," please check one of the following

☐ The works for which this application is made are exempt from the requirements of the EAA under:

☐ Section _____ of Ontario Regulation No. _____ or

☐ Declaration/Exemption Order Number _____

If Regulation, Declaration Order or Exemption Order does not refer directly to this facility, state in a covering letter or other document why it does apply to this facility – Please provide supporting information

☐ The works for which this application is made have fulfilled all of the requirements of the EAA through the completion of the requirements of a Class EA process:

Name of Class EA: _____

Schedule/Group/Category (if applicable): _____

If applicable, please submit a copy of the completion documents.

Were Part II Order requests received? ☐ Yes ☐ No *If Yes, please submit a copy of the Minister's decision letter.*

☐ The works for which this application is made have fulfilled all of the requirements for the EAA through:

☐ Completion of an Environmental Screening Process pursuant to O. Reg. 101/07 of the EAA.

***Please submit the Statement of Completion, and indicate if any Elevation Request(s) were received.
If Elevation Request(s) were received, please submit a copy of the Director's decision letter.***

☐ Completion of an Environmental Assessment

Please submit a copy of the signed Notice of Approval.

5.2 Hearing under the Environmental Protection Act

Is this application subject to a requirement for a mandatory hearing under s.30 of the *Environmental Protection Act*?

☐ Yes ☒ No

5.3 Environmental Bill of Rights (EBR) Requirements

Is this a proposal for a prescribed instrument under EBR?

☒ Yes ☐ No

If "Yes", is this proposal exempted from EBR requirements?

☐ Yes ☒ No

If "Yes," please check one of the following

☐ This proposal has been considered in a substantially equivalent process or by a decision of a tribunal. ***Please provide supporting information***

☐ This proposal is for an amendment to or revocation of an existing Certificate of Approval that is not environmentally significant.
Please provide supporting information

☐ This proposal is for an emergency situation. ***Please provide supporting information***

☐ This proposal has been subject to or exempted from EAA Requirements. ***Please provide supporting information***

5.4 Additional Public Consultation/Notification

Has any additional public consultation / notification related to the project is in the process of being completed or has previously been completed (such as public hearings or notification of First Nations)

☒ Yes If "Yes",

1) describe the public consultation / notification below:

☐ No 2) attach a separate list describing each of these consultation activities, the results achieved, and planned future consultation activities.

Public consultation report provided as Attachment 4.

Section 6: Supporting Information

6.1 Supporting Information Checklist - This is a list of all supporting information to this application and is subject to the FOIPPA and EBR.

Mandatory	Attachment	Attached	Reference	Confidential* (✓)
★ Yes	Proof of Legal Name of Applicant	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Attachment 2	<input type="checkbox"/>
	Copy of NEPDA Permit	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/>
	Copy of Municipal Planning Approval (ORMCA)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/>
★ Yes	Reference Plan	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Attachment 8	<input type="checkbox"/>
	Name, Address and Phone Number of the Operating Authority	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/>
	Name, Address and consent of land/site owner for the installation/construction and operation of the works/facility	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/>
	Verification of EBR Public Participation Exception	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/>
★ Yes	Record of Public Consultation Report	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Attachment 4	<input type="checkbox"/>
★ Yes	Zoning Confirmation from the Municipality	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
★ Yes	Site Plan/Location Map with Geo-referencing point(s) identified	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Figure 4 of Attachment 3	<input type="checkbox"/>
★ Yes	Design and Operations Report	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Attachment 3	<input type="checkbox"/>
	Drainage Study	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/>
	Hydrogeological Assessment Report	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/>
★ Yes	Waste Comprehensive Requirements 1. Engineers Report 2. Declarations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Attachment 6 and Attachment 7	<input type="checkbox"/>
★ Yes	Application Fee	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/>
★ Yes	Financial Assurance/ Financial Assurance Estimates	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Attachment 5	<input type="checkbox"/>
★ Yes	A copy of this application has been sent to the local district office	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
★ Yes	A copy of this application has been sent to the local municipality	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
	Record of EA Process: 1. Class EA Completion documents, or 2. Environmental Screening Process- Statement of Completion, or 3. Individual EA – Notice of Approval.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/>
Other Attachments				
Title		Reference		Confidential* (✓)
				<input type="checkbox"/>
				<input type="checkbox"/>
				<input type="checkbox"/>
				<input type="checkbox"/>
				<input type="checkbox"/>
				<input type="checkbox"/>
Are you attaching an additional list of attachments?		If there is not enough space to list all of the attachments included in this application package, please include an additional listing of these attachments.		<input type="checkbox"/>
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				

*Please note: the release of information contained in application forms and documentation submitted in support of applications for approval is subject to the provisions of the *Freedom of Information and Protection of Privacy Act*. This Act defines what may and may not be disclosed to the public, and is used to assess all requests for information contained in the documents on file with an application for approval. The information submitted with an application for approval may also be subject to the *Environmental Bill of Rights*. In those situations, the application and the associated non-confidential supporting documentation is made available for review by members of the public. The applicants should therefore identify all documents as noted above which are to be considered confidential and must provide detailed evidence in support of this claim. This evidence will be one of the factors the ministry would consider when making a decision regarding disclosure of specific documents on file.

For Office Use Only			
Reference Number	Payment Received	Date (y/m/d)	Initials
	\$		



Payment Information: Application for a Provisional Certificate of Approval for a Waste Disposal Site

Please Note:

1. If you are completing this form by hand, you must attach a copy of the form titled "Costs for EPA s.27 (Waste Management) Applications - Supplement to Application for Approval" (PIBS 4186). You do not need to attach the supplemental form if you are filling in this form electronically.
2. If you are completing this form electronically, the fees for this application have been calculated based on the information you have provided. The Ministry may require additional information during the review of your application that could impact the total fee required.
3. All fees should be paid in Canadian funds, payable to the Ontario Minister of Finance.
4. Credit card payments are accepted for payments under \$10,000 only.
5. If you are paying by certified cheque or money order, please staple your payment to this page.
6. Do not include this page in the copies of your application that are being provided to the local MOE Office or the local municipality(s).
7. The information collected in this section of the form is considered confidential and will only be used to process your application fee.

Amount Enclosed	Method of Payment		
\$ 5,000.00	<input checked="" type="checkbox"/> Certified Cheque	<input type="checkbox"/> Money Order	<input type="checkbox"/> Journal Entry
	<input type="checkbox"/> Visa	<input type="checkbox"/> MasterCard	<input type="checkbox"/> American Express

Credit Card Information (if paying by VISA, MasterCard or American Express)

Name on Card (please print)	Credit Card Number	Expiry Date (mm/yyyy)
Cardholder Signature		Date (yyyy/mm/dd)

If paying by certified cheque or money order, please attach it here.

Attachment 1
Environmental Bill of Rights
Environmental Registry Abstract

ACME Inc. Waste Transfer Facility
EBR Abstract for a Comprehensive Provisional Certificate of Approval for a
Waste Disposal Site (Non-hazardous Waste Transfer Facility)

Instrument Type: Approval for a waste disposal site. - EPA s. 27

Proposal Description

This proposal is for a Comprehensive Provisional Certificate of Approval (Comprehensive PCOA) for a waste disposal site for a non-hazardous waste transfer and processing facility to be located at 123 Fraser Drive, Anytown, Ontario. A Comprehensive PCOA for a waste disposal site provides a company with limited operational flexibility to make changes to defined aspects of the site's operations without a requirement to make an application for amendment. It includes conditions that describe the scope within which the changes can be made. It allows industry to plan and to make changes to their facilities in a timely manner and reduce the delays associated with the traditional approvals process.

A Comprehensive PCOA incorporates additional conditions to ensure that the Ontario Ministry of the Environment is kept informed of the continued site operations, that the company remains in compliance with legislative requirements and that the environment is not adversely affected. The extent to which operational flexibility is permitted by a Comprehensive PCOA for a waste disposal site is contained within an Engineer's Report provided by the proponent.

The details of the operational flexibility requested in this proposal are described below.

This proposal is for the use and operation of a waste disposal site operating 24 hours per day, seven days per week, serving the Province of Ontario with a total area of 2,200 square metres, to be used for the following:

- The processing and temporary storage of non-hazardous solid municipal waste, including residential waste, industrial, commercial, institutional (IC&I) waste, construction and demolition (C&D) waste.
- The receipt, transfer and storage of domestic/residential waste in the event of an emergency situation that results in an inability of a municipality in Ontario to manage its waste under the existing network of waste disposal site certificates of approval. For example, the closing of the U.S. Canada border to waste shipments, or a municipal strike.
- Storage of waste at the site will be limited to a maximum of 500 tonnes at any one time
- The waste disposal site will initially receive and process a maximum of 219,000 tonnes of waste per year. This amount is the equivalent of an average of 600 tonnes per day over the course of a year (365 days). This will enable the waste disposal site to receive more waste per day during peak periods to account for seasonal fluctuations in waste generation. The site will be limited to receiving a maximum of 1,200 tonnes of waste in any one day.

The scope of operational flexibility for the proposed waste disposal site is limited to the operating envelope described and contained within the Engineer's Report and as follows:

1. The ability to make modifications to the infrastructure of the waste disposal site. For example, the proponent would be able to expand the existing building a further 2,500 square metres.
2. The ability to make modifications to the waste disposal site's processing operations and equipment. For example, the proponent would be able to transform a manual waste handling operation into a fully automated handling facility.
3. The ability to make modifications to the waste disposal site that are routine, with predictable effects that are environmentally insignificant. For example the proponent would be able to construct a fence, adding a new gate and expanding/relocating an existing parking lot. Modifications considered to be administrative would also not require an approval.
4. The ability to increase the amount of waste that may be received at the waste disposal site to an amount not to exceed 365,000 tonnes of waste per year. This amount is the equivalent of an average of 1,000 tonnes per day over the course of a year (365 days). This will enable the waste disposal site to receive more waste per day during peak periods to account for seasonal fluctuations in waste generation. The site will be limited to receiving and processing a maximum of 2,500 tonnes of waste in any one day. This amount is equivalent to the daily processing threshold identified within the Engineer's Report.

The following modifications to the waste disposal site are not permitted under the proposal:

1. The ability to extending the physical size of the waste disposal site.
2. The ability to alter the function of the approved operations of the waste disposal site from a waste disposal site used for the sorting and transfer of solid municipal waste.
3. The ability to change the type of waste that can be received at the site and in particular, the ability to accept hazardous waste, liquid industrial waste, or hauled sewage.
4. The ability to increase the maximum amount of waste that is allowed to be stored at the site beyond the approved maximum of 500 tonnes.
5. Any modification to the waste disposal site that requires a change to the Engineer's Report.
6. Any modifications to the waste disposal site that are subject to the *Environmental Assessment Act*.

Attachment 2
Proof of Legal Name

Attachment 3
Design and Operations Report

DESIGN AND OPERATIONS REPORT

ACME WASTE INC. ANYTOWN WASTE TRANSFER AND PROCESSING FACILITY

Prepared by:
ACME Waste Inc.
123 Anywhere Street
Anytown, Ontario
N9N 1A1

November 2008

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1.0 INTRODUCTION

This Design and Operations (D&O) Report is prepared to support an application by ACME Waste Inc. (ACME) for a Comprehensive Provisional Certificate of Approval (PCOA) for a waste disposal site for a non-hazardous solid waste transfer and processing facility. A Comprehensive PCOA provides a company with limited operational flexibility to make changes to defined aspects of the site's operations without a requirement to make an application for amendment. Details of the defined aspects that are being applied for to broaden the scope of the operating envelope beyond this D&O Report are contained in the Engineer's Report that accompanies the application.

The ACME waste transfer and processing facility is proposed for a 5 hectare (ha) property located at 123 Fraser Drive in Anytown, Ontario. The building will have a total floor area of 2,200 square metres (m²). Waste will be received from roll-off trucks, front-end trucks or municipal collection vehicles. The waste will be transferred and/or processed into tractor trailers for long-haul to approved landfill sites and roll-off trucks for hauling recyclable materials to market.

This D&O Report has been prepared to describe the initial design of the facility and the on-site operations, which will include the following activities:

- The receipt, processing and transfer of an annual average of 600 tonnes per day of solid municipal waste from residential, and industrial, commercial and institutional (IC&I) generators.
- The receipt or shipment off-site of a maximum of 219,000 tonnes of waste annually.
- In order to account for seasonal fluctuations in waste generation, the operator may receive or ship off-site up to a maximum of 1,200 tonnes of waste per day, provided that the maximum annual limit of 219,000 tonnes per year is not exceeded.
- A maximum waste storage quantity of 500 tonnes at any one time.
- Shipping and Receiving hours of 7:00 am to 8:00 pm Monday to Saturday.
- Operating hours of 24 hours a day, Monday to Sunday.

The D&O Report has been prepared in accordance with the MOE's *Guide to Applying for Approval of Waste Disposal Sites*.

2.0 FACILITY DESIGN

2.1 Function of the Site

The function of the site is to receive, process and transfer non-hazardous municipal solid waste, including waste from residential, and industrial, commercial and institutional (IC&I) generators, but excluding source separated organics.

Waste will be deposited on the floor in the facility and then loaded into trucks or tractor trailers to be hauled to other locations for recycling or disposal.

All waste sources will be located in the Province of Ontario.

2.2 Site Location and Land Use

The waste transfer and processing facility is proposed for a 5 hectare (ha) property located at 123 Fraser Drive in Anytown, Ontario. The Site Location Plan (Figure 1) shows the location of the property relative to major arterial roads and highways. The property is directly north of the main Canadian National Railway (CNR) corridor and 200 metres south of Highway 100.

The property is owned by ACME and consists of undeveloped land that is zoned General Industrial (M2). The Zoning Plan (Figure 2) shows the current zoning in the vicinity of the site. This was confirmed by officials with Anytown. The site and vicinity are fairly flat. The proposed facility is consistent with the allowable site zoning and surrounding land use. Businesses in the area include a truckstop/gas station and a chemical waste transport company. The closest residential receptor is 350 metres away from the facility. There is a shoreline residential development that starts at about 600 metres away from the facility. It is located to the south west of the plant. As the prevailing winds are from the south west, this shoreline development will normally be upwind of the facility.

2.3 Building Layout and Site Plan

The building layout is shown in Figure 3. The building will be constructed of metal siding and has a total floor area of 2,200 m², which consists of:

- 1500 m² of waste unloading and storage area;
- 300 m² of waste loading area; and,
- 400 m² of office area.

The waste unloading, processing, storage and loading areas are located within a large open area, separated by a 1 metre high concrete wall. All waste will be unloaded, stored, and loaded inside this area. The loading area is recessed 1 metre to allow for the loader operators to dump waste

into top-loading tractor trailers. The waste unloading and storage area has an 8 metre high clear span ceiling. A 4 metre high concrete push wall along the east wall of the receiving area allows for waste to be piled against the wall without concern for possible structural damage. The office area is in the front (east) part of the transfer building. A pedestrian doorway connects the two areas.

There are two overhead access doors into the waste loading area to allow for two tractor trailers to be loaded at once. One access door is located on the north end of the waste loading area and one on the south end. There are four overhead doors leading into the waste unloading area to allow for four waste receiving vehicles to be unloaded at once. Two access doors are located on the north end of the receiving area and two on the south end.

Floor drains are located in the waste loading area. These floor drains discharge into an oil interceptor and then into the sanitary sewer system. It is expected that any discharge from this interceptor to the sanitary sewer system would be well within the allowed limits in the sewer-use by-law of Anytown. Wastewater from the office area is discharged into the sanitary sewer system.

Figure 4 shows the site plan, including the on-site access roads and buildings. There are two access roads into the site. The north access road is utilized for trucks while the south access road is utilized mainly for employee vehicles. A roadway around the back (west) of the building connects the two access roads. Weigh scales are located just north of the office area.

Trucks with incoming waste will enter the site via the north access road and proceed to the scales where the vehicle will be weighed and directed to proceed to the receiving area through either the access doors on the north or south side of the plant. The waste will be unloaded onto the receiving floor. A loader operator will then transfer the waste from the receiving floor into tractor trailers located in the waste loading area.

2.4 Hours and Days of Operation

Waste receiving and shipping will take place at the site between 7:00 am to 8:00 pm, Monday to Saturday. Internal operations at the facility, including the loading of trucks may occur 24 hours each day, 365 days of the year.

2.5 Truck Traffic

There is sufficient queuing capacity on the access roads at the site to allow for vehicles entering and exiting the site.

The facility's initial design is to accept a maximum of 219,000 tonnes of waste per year. Based on shipping and receiving six days a week, there would be an average of 140 trucks entering the

site to drop off waste, 24 loaded tractor trailers hauling waste from the site and 5 roll-off trucks containing recovered recyclable material exiting the site per day.

2.6 Wastes Accepted at the Site

The site will receive non-hazardous solid municipal waste from residential, and IC&I generators, including Construction & Demolition (C&D) waste. The IC&I generator sector includes, but is not limited to warehousing, storage, apartment buildings, manufacturing facilities, schools, and stores. The types of wastes delivered to the site include processing scraps, metal products, and mixed residential waste.

The site will receive on an annual basis, an average of no more than 600 tonnes of waste per day (219,000 tonnes per year). The maximum waste that can be received in any one day is capped at 1,200 tonnes. All waste will be loaded onto tractor trailers and transported to an approved disposal site, with the exception of recovered recyclables, which will be removed in roll-off trucks, and any unacceptable waste that is rejected and removed by the incoming waste hauler.

2.7 Site Storage

Waste will be stored in accordance with Section 3.3.2 of the Ontario Fire Code, which stipulates the requirements for indoor general storage of combustible or non-combustible solids. In particular, as the facility has a sprinkler system, the storage of waste will comply with the following:

- The area of individual storage piles will not exceed 1,000 m²;
- The clearance between sprinkler head deflectors and the tops of piles shall not be less than 457 millimetres.

As there will be only one pile of waste occupying less than 1,000 m² the requirement in Section 3.3.2 to have at least one main aisle with a minimum width of 2.4 metre extending the length of each storage pile and to fire protection equipment will not apply.

The maximum amount of waste to be stored on site is limited to 500 tonnes of waste (including recovered recyclables), as supported by the Calculations of Storage Capacity included in Appendix A. The storage of waste is restricted to inside the building.

All waste received on site will be removed within 72 hours of receipt.

2.8 Fencing and Security

A chain link fence will be erected along the front of the property and 30 metres back from Fraser Drive. The remainder of the property will be enclosed with post and wire fencing. Both access roads into the site, off Fraser Drive will be gated. All doors to the transfer building and the

access road gates will be locked when the facility is not operating. Access doors will remain open as required when the site is receiving or shipping waste.

All visitors to the site must present themselves to the Office Area to be signed in prior to being able to enter the building. Visitors must be accompanied by an ACME employee while they are within the facility.

2.9 Stormwater Management

The property slopes gradually to the west. The closest watercourse is an intermittent stream being located approximately 250 metres west of the property boundary. All waste delivered to the site will be unloaded, stored and loaded inside the building, therefore waste will not be in contact with on-site surface water.

2.10 Air Discharges

The receiving area and the waste loading area are unheated. There is no ventilation system or air discharges from the facility, however a misting system will be installed in the waste receiving and loading areas to eliminate any potential odours.

2.11 Site Closure Plan

Should the site be no longer needed for waste transfer, it will be decommissioned and closed prior to a change in use or sale of the property. If it is determined that the facility will close, a site assessment will take place and a closure plan will be completed six months prior to site closure.

The decommissioning and closure will include the following procedures:

- all waste material storage areas will be emptied and the waste sent for disposal;
- all on-site equipment will be removed from the site and either sold or reused at another ACME facility;
- all floors will be swept and, if necessary, power washed and any wastewater would be collected and disposed in accordance with Ontario Regulation 347; and
- the exterior portions of the site will be cleaned of any litter.

3.0 FACILITY OPERATIONS

3.1 Description of On-Site Operations

Waste will be delivered to the site in roll-off trucks, front-end trucks or municipal collection vehicles. All inbound waste vehicles will enter the site from Fraser Drive via the north access road and will proceed to the weigh scale located on the north side of office area. While vehicles are being weighed, the weigh scale operator will obtain and record information such as the source and description of the waste and the Certificate of Approval number of the hauler. The waste vehicle driver will be directed by the weigh scale operator to proceed to the receiving area through either the access doors on the north or south side of the plant, as appropriate. The vehicle will back into the unloading area and the waste will be dumped onto the receiving floor. After unloading as directed, the empty waste vehicle will proceed over the scale again to obtain a tare weight, unless the tare weight has been previously recorded for that specific vehicle. At that time, the amount of waste received is recorded.

The waste will be subject to a positive sort whereby specific recyclable materials will be targeted for removal from the waste pile using the loader. The recovered recyclables will be placed in roll-off containers that are located in the truck unloading area. It is currently anticipated that the positive sort will be limited to the removal of large pieces of wood, scrap metal and cardboard, but target materials will change in response to market conditions. The recovered recyclable material will be stored in the roll-off containers until the container is full, at which time the material will be hauled to an approved market.

A loader operator will then transfer the remaining waste from the receiving floor into tractor trailers located in the waste loading area. Once filled, the tractor trailers will be tarped and weighed prior to departing the site.

A schematic of the on-site operations is shown in Figure 5: Process Schematic.

3.2 Waste Storage

The maximum amount of waste to be stored on-site is limited to 500 tonnes of waste, which will be confined to the waste storage area indicated in Figure 3 and in tractor trailers and bins for recyclables in the waste loading and unloading areas. This maximum site storage limit is supported by the Calculations of Storage Capacity included in Appendix A and is based on a conservative waste density of 240 kg/m³.

Normally, waste will be removed within 24 hours of receipt, although storage of waste for 72 hours may be necessary in the event of equipment failure, receiving site restrictions or statutory holidays. Recovered dry recyclable material, such as wood, scrap metal and cardboard will be

removed as soon as a full bin of material is accumulated, with storage of this material being a maximum of 90 days.

3.3 Material Balance

The site's initial design is to accept an average daily quantity of 600 tonnes of waste per day, to a maximum of 219,000 tonnes per year. The Material Balance shown in Figure 5 Process Schematic is based on the average quantity of 600 tonnes of waste per day.

Specific recyclable materials, such as wood, scrap metal, and cardboard will be positively sorted from the residual waste stream and recovered and sent to market for reuse. The amount of material that will be recovered from the incoming waste will vary depending on the composition of the incoming waste, however it is expected that approximately 5% (30 tonnes per day) of the incoming material will be recovered and sent to market.

The site can accept a maximum of 219,000 tonnes of waste a year. Based on the design of the site, it is possible to load two open-top tractor trailers simultaneously. The average trailer load weighs 28 tonnes and a trailer takes approximately 30 minutes to load. Therefore, four trailers can be loaded per hour. The regular shipping and receiving hours for the facility are 7:00 am – 8:00 pm. Taking into account employee breaks during the day, it is anticipated that there would be a total of 11 hours per day available to load trucks. This would allow up to 44 outgoing tractor trailers to operate per day. If the facility operates six days a week, and is closed on statutory holidays, it would operate 300 days per year. This would result in a maximum capacity of 369,600 tonnes of waste (at 28 tonnes per load) being removed from the site per year. Since the site is limited to accepting 219,000 tonnes of waste per year, it is apparent that with regular initial operations, the site can remove the maximum amount of waste that the facility can accept.

3.4 Waste Receiving Sites

All waste accepted at the site will be loaded into trucks and hauled to approved disposal facilities. Currently, ACME has contracts to haul to the following two Ministry of the Environment (MOE) approved disposal sites in the Province of Ontario:

- Big Waste Landfill Site, Anytown, Ontario (Certificate of Approval A#####)
- Rolling Hills Landfill Site, Happy Valley, Ontario (Certificate of Approval A#####)

Waste that has been sorted to recover recyclables will be shipped to various facilities that will process this material into usable products. These facilities include the following:

Big Bay Bath Company, Bumble Bee Bite, Ontario

Habitat Homes, Hardlot Hills, Ontario

3.5 Facility Equipment and Maintenance

Two rubber-tired loaders with 3-yard buckets will be operated at the site for loading waste into tractor trailers and the roll-off recycling bins. The loader operators will be trained on safe operating procedures for the loaders. A preventative maintenance program is in place for each loader based on the manufacturer's recommendations. Additional loaders may be brought in for use as needed, or for replacement in case of equipment breakdown.

3.6 Staff Training

A training plan will be developed and maintained for all employees that operate the facility. Trained personnel will be on duty at all times when the facility is open to ensure proper supervision of all activities. Trained personnel will supervise all receiving and transfer of waste at the facility. All employees directly involved with activities relating to the facility will be trained in the following:

- relevant waste management legislation, regulations and guidelines;
- major environmental concerns pertaining to the waste to be handled;
- occupational health and safety concerns pertaining to the processes and wastes to be handled;
- management procedures including the use and operation of equipment for the processes and wastes to be handled;
- environmental emergency and contingency procedures for the processes and wastes to be handled;
- use and operation of the equipment to be used by the operator;
- procedures for the refusal of unacceptable loads;
- site specific written procedures for the control of nuisance conditions;
- record keeping procedures; and,
- the requirements of the Certificate of Approval.

ACME will maintain a written record of the employee training, including the date of training, the name and signature of the employee and a description of the training provided.

3.7 Waste Screening Procedure

Waste will be accepted only from approved haulers that have a valid Waste Systems Certificate of Approval, except for municipal vehicles as per Section 16(2)(a) of Regulation 347. Also,

residential waste such as old furniture and construction materials will be received from individual members of the public. It is expected that this will make up a very small percentage of the total incoming waste stream.

All incoming waste vehicles must enter and exit over the weigh scale to determine the weight of waste coming into the facility and to screen for any radioactive material in the waste. After the initial weigh-in, an incoming waste vehicle will be directed to the appropriate receiving door. An ACME employee will be designated as the Waste Receiving Employee (WRE) and will be located in the waste receiving area to ensure that the incoming vehicle backs into the building safely and unloads in the proper location. The WRE will inspect the incoming waste to ensure that the load does not contain any unacceptable or prohibited wastes, such as liquids, or chemicals. Loads that do contain prohibited materials will be rejected and will be reloaded onto the vehicle delivering the waste. The WRE will complete and submit an incident report to the Plant Manager.

In the unlikely event that unacceptable or prohibited waste is not detected until the waste hauler has left the site, the waste will be segregated, characterized and managed in accordance with Ontario Regulation 347. The WRE will complete and submit an incident report which will be submitted to the Plant Manager. Effort will be made to identify and contact the customer and/or generator to ensure that prohibited wastes will not be delivered to the facility in future.

3.8 Environmental Emergency and Contingency Plan

An Environmental Emergency and Contingency (E2C) Plan, specifically prepared for the ACME facility, will be kept up-to-date and a copy retained in a central location on the site and will be accessible to all staff at all times. The E2C Plan will deal with the prevention of, preparedness for, response to and recovery from an environmental emergency. The E2C Plan will be reviewed at least annually by ACME and updated if needed. Copies of the most current E2C Plan will be provided to the MOE District Manager, the local municipality and the local fire department.

The E2C Plan contains a notification protocol with names and telephone numbers of persons to be contacted, including persons responsible for the site, the MOE's District Office and Spills Action Centre, the local municipal fire department, the local municipality, the local Medical Officer of Health, the Ministry of Labour, and the names and telephone numbers of waste management companies available for emergency response.

The E2C Plan will also provide an organized set of procedures for responding to unexpected but possible problems at the ACME facility, including but not limited to: power failures, labour disruptions, and closure/unavailability of waste disposal sites contracted to receive residual waste.

Also, the E2C Plan will outline the schedule for the inspection of emergency response equipment.

and for the annual review and update of the notification to ensure that the contact names and telephone numbers are accurate.

3.8.1 Spills

All staff will be advised to notify their supervisor if they encounter a spill. Such a spill would be immediately contained and cleaned up as appropriate. The E2C Plan outlines the reporting procedures and actions to be taken in the event of a spill or process upset, including specific clean up methods. Staff will be trained on spill response procedures and reporting as required.

Due to the nature of the waste accepted at the site (i.e., solid non-hazardous wastes), spills of waste are not likely to cause any environmental harm as they are easily cleaned up.

3.8.2 Fire

Fire hydrants will be installed on the property in accordance with the building code requirements. Also, the building will be serviced by fire extinguishers. They will be placed at every person-door exit and on every piece of mobile equipment. These fire extinguishers will be inspected monthly and recharged annually, if needed, as required by the Ontario Fire Code.

Additionally, the site will have an emergency evacuation and notification plan in the event that a fire in the building cannot be easily extinguished with available fire extinguishers, and evacuation/notification is warranted.

3.9 Site Inspections and Nuisance Conditions

A designated competent operator will complete a Daily Site Inspection Report, which will include the date and time of the inspection, and the name and signature of the person completing the inspection. If any problem areas are identified, the corrective action that is completed or planned, will be noted on the inspection report. The daily inspection report will include the following:

- Is the entrance to the site clean of litter and dust?
- Is the fence line, inside and outside, clean of litter?
- Are the fence and gates in good condition?
- Is the yard clean of litter and scrap?
- Are there any unacceptable odours?
- Is there good surface water drainage in the yard?
- Is the exit to the facility clean of litter and dirt?
- Are the access roads to and from the facility free of litter?

- Has there been any environmentally significant event since the last inspection?
- Have there been any complaints since the last inspection?
- Is the amount of storage of waste within allowed maximum weight limits?

Copies of Daily Site Inspection Report will be kept on file at the facility.

3.9.1 Dust Control

Since all waste receiving and transferring operations will occur inside the building, dust emissions resulting from the operations will be minimal. The access roads will be paved thereby minimizing dust generation. Should dust be identified as a nuisance condition, a roadsweeper will be contracted to clean the on-site roadways.

3.9.2 Odour Prevention and Control

The following operating procedures are in place to prevent the generation of odours:

- all waste receiving and transferring will occur inside the building;
- the tipping floor will be swept clean and absorbents will be used to remove any liquid that may occur from time to time; and,
- waste will be removed from the facility normally within 24 hours of receipt, though storage for 72 hours will be necessary in the event of equipment failure, inclement weather and statutory holidays.

The site will be inspected on a daily basis to ensure that odours are not a problem. Staff authorized to conduct the site inspections will be trained to assess odours at the property line. If odours are detected, the following steps will be put in place progressively until the odour is mitigated:

1. Employees in the waste receiving area will use a portable sprayer to dispense a non-toxic odour neutralizer (see typical product information in Appendix B) on any loads of waste that are received that are odorous.
2. The odour suppression system over the waste storage and waste loading floor will be activated and/or dosage rate adjusted. This misting system will introduce an approved non-toxic odour neutralizer (see typical product information in Appendix B) onto the tipping floor area.
3. The waste will be covered with wood chips or similar material to neutralize or suppress the odour.
4. The doors to the facility will be closed other than when trucks are entering or exiting the building.
5. The odorous waste will be removed from the site.

6. If odorous waste is repeatedly received from a particular generator, waste will no longer be accepted from that customer.

Prior to the site accepting waste, the adjacent neighbours will be provided with a 24-hour phone number so that they can contact an ACME employee to report any odour problems. This phone number will also be posted on a sign at the entrance to the facility.

3.9.3 Litter Prevention and Control

All waste will be unloaded and transferred inside the building, thereby minimizing the potential for creating litter. In addition, facility staff will undertake daily site inspections and clean up any litter resulting from site operations. The site will be fenced to prevent any litter from blowing off-site.

3.9.4 Pest Control

ACME has retained Pest-Be-Gone Inc. to implement and oversee a pest control program at the site. Pest-Be-Gone has all necessary regulatory approvals to provide pest management services in Ontario.

3.10 Complaint Procedure

ACME will employ a formal complaint reporting procedure. When a complaint is received, a Complaint Report will be completed, which includes the following information:

- Date and time of complaint;
- Nature of complaint;
- Name and telephone number of complainant;
- Employee receiving complaint;
- Details and circumstances of complaint;
- Corrective action taken or planned; and
- Follow-up with complainant.

A copy of the Complaint Report will be kept on file at the site and a summary will be included in the Annual Report for the operation. Signage at the gate will include a telephone number to allow a complainant to contact the company at any time.

3.11 Record Keeping

Records (either electronic or hardcopy) will be kept of all incoming and outgoing material at the facility, including:

- Itemized record of any rejected waste;
- Type, date, time of arrival, source, and quantity of waste received;
- Company name of hauler delivering the waste;
- Certificate of Approval number of hauler, except if the hauler is a municipal vehicle;
- Daily Inspection Reports and Complaint Reports;
- Calculation of quantity of waste remaining on-site at the end of each operating day; and
- Type, date, time, destination, and quantity of material shipped.

An Annual Report will be submitted to the District Office of the MOE. Each report will include, as a minimum, the following information:

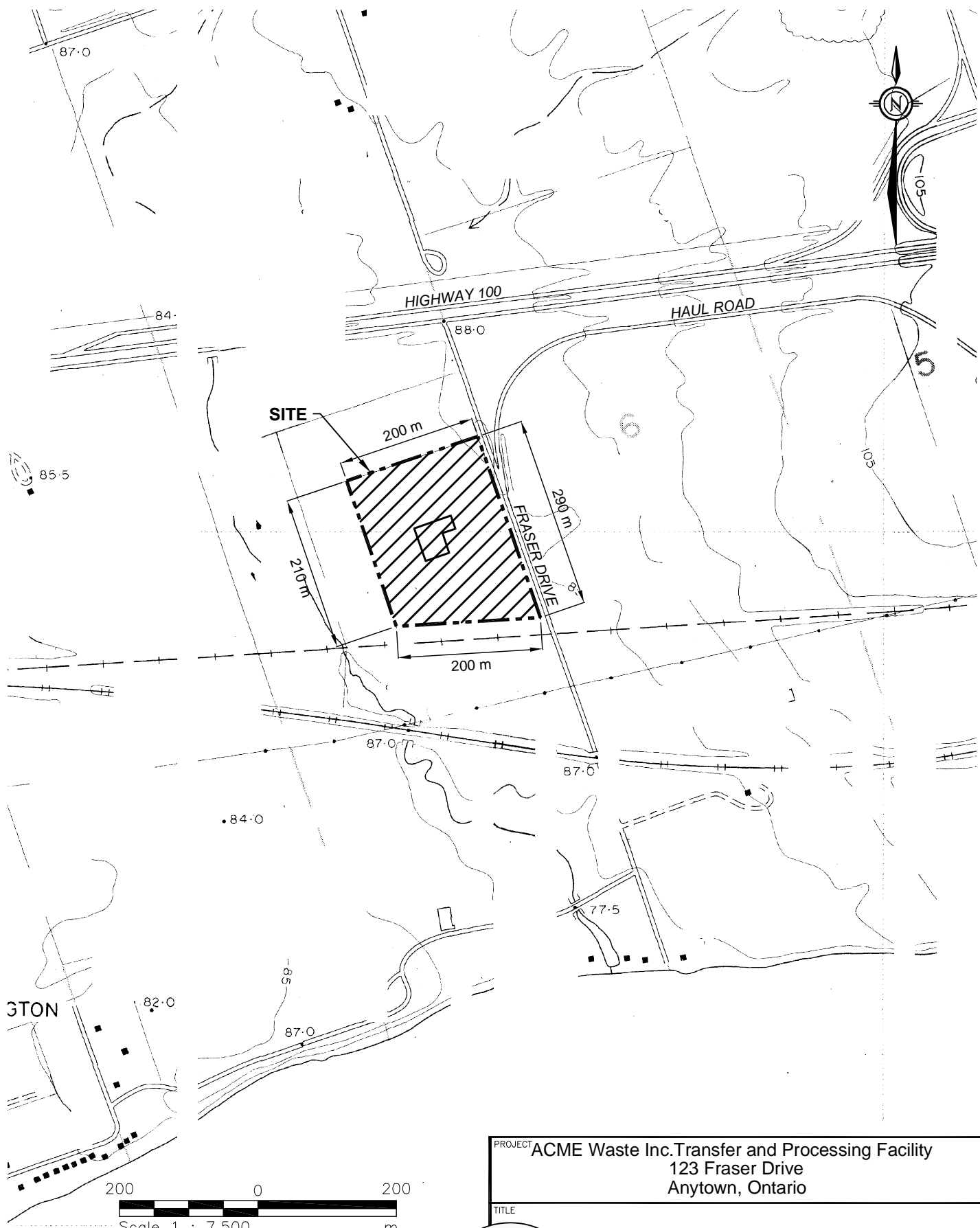
- Detailed monthly summary of the type, and quantity of all wastes received at the site;
- Detailed monthly summary of the type, and quantity of all wastes shipped from the site and the location to which it was shipped;
- A description of any operational issues encountered;
- Any recommendations for operational changes;
- Amount of recovered recyclables shipped to market;
- Amount of residual waste shipped to landfill;
- Average daily amount of waste received and shipped;
- Maximum amount of waste that was received in one day in the past year;
- Amount of waste stored on-site as of date of preparation of Annual Report;
- Any modifications that were made to the site under the operational flexibility afforded by the Comprehensive PCOA for the site; and
- A summary of any complaints that were received regarding the facility operation.

3.12 Disruption of Shipment

Should there be a disruption of shipment, the site would be able to continue to accept waste until the facility would meet the maximum storage capacity of 500 tonnes of waste. At that time, the site would not accept additional waste. If the shipment disruption would continue such that the maximum storage time of 72 hours would be exceeded, ACME would contact other waste transportation service companies to ensure that waste would be removed from the site.

FIGURES

Drawing file: N:\CAD\2008\08-1112-0108\08-1112-0108-001 FIG 2008\08 OBM Site Location - FIGs 1 and 2.dwg Dec 05, 2008 - 12:56pm



REFERENCE

Ontario Ministry of Natural Resources, Surveys and Mapping
Branch, Base Sheet 10 17 1234 56789, Published 1980
(based on 1979 aerial photography)

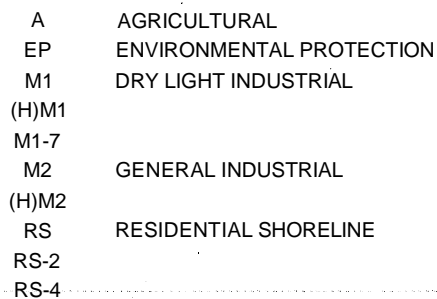
PLACE STAMP
OF LICENCED
PROFESSIONAL
ENGINEER
HERE

PROJECT ACME Waste Inc. Transfer and Processing Facility
123 Fraser Drive
Anytown, Ontario

TITLE

SITE LOCATION PLAN

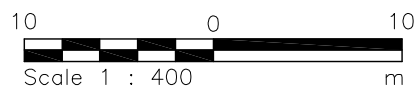
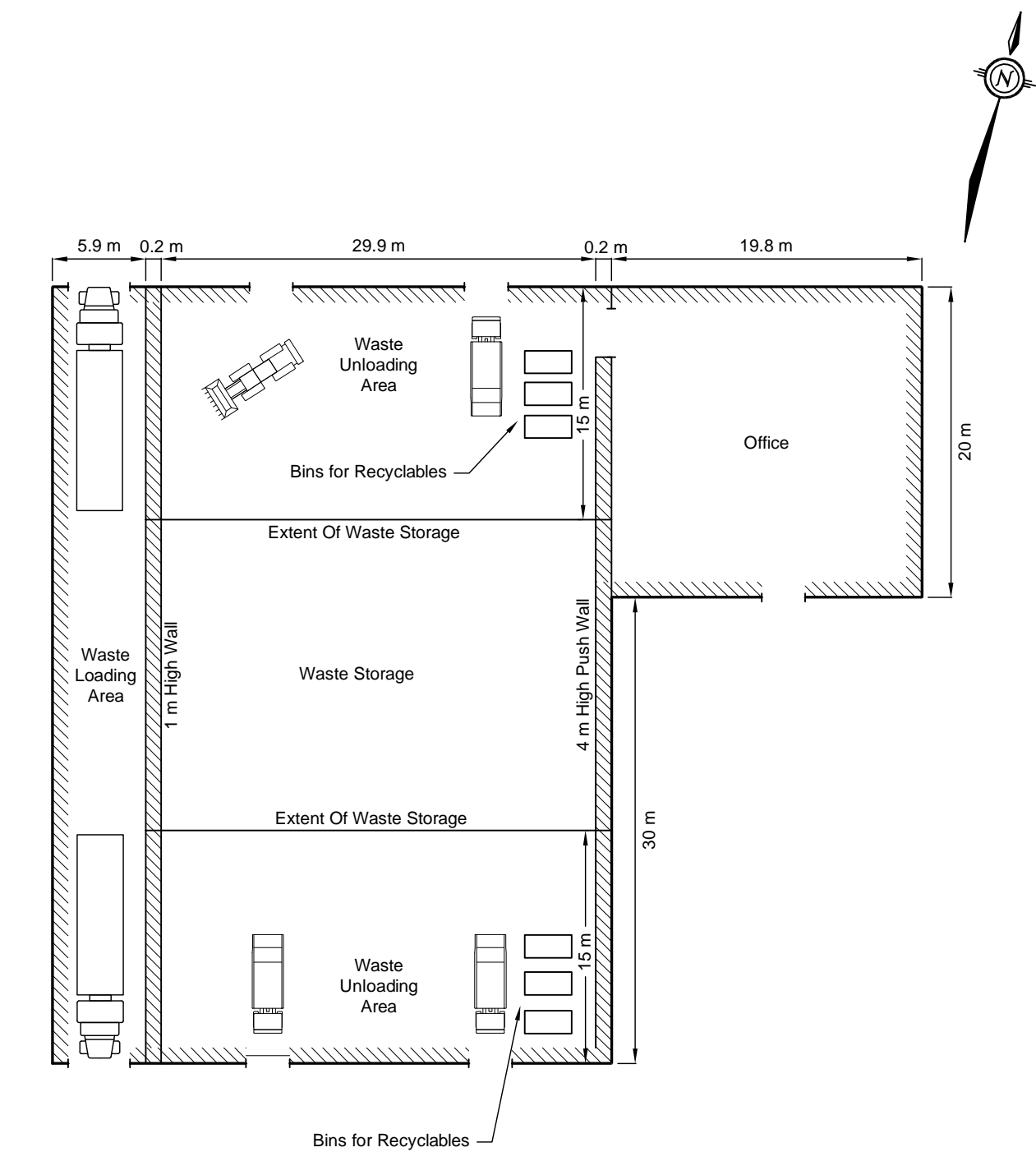
PROJECT No. 08-1112-0108			FILE No. 001	
DESIGN			SCALE	AS SHOWN
CADD	JLJ	Aug. 2008	FIGURE 1	
CHECK	ABC	Aug. 2008		
REVIEW	JC	Aug. 2008		



REFERENCE

PROJECT No. 08-1112-0108			FILE No. 001	
DESIGN			SCALE AS SHOWN	REV.
CADD	JLJ/JT	Aug. 2008	FIGURE 2	
CHECK	ABC	Aug. 2008		
REVIEW	JC	Aug. 2008		

FIGURE 2



PROJECT ACME Waste Inc. Transfer and Processing Facility
123 Fraser Drive
Anytown, Ontario

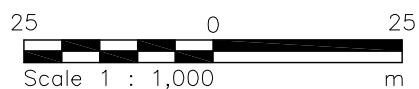
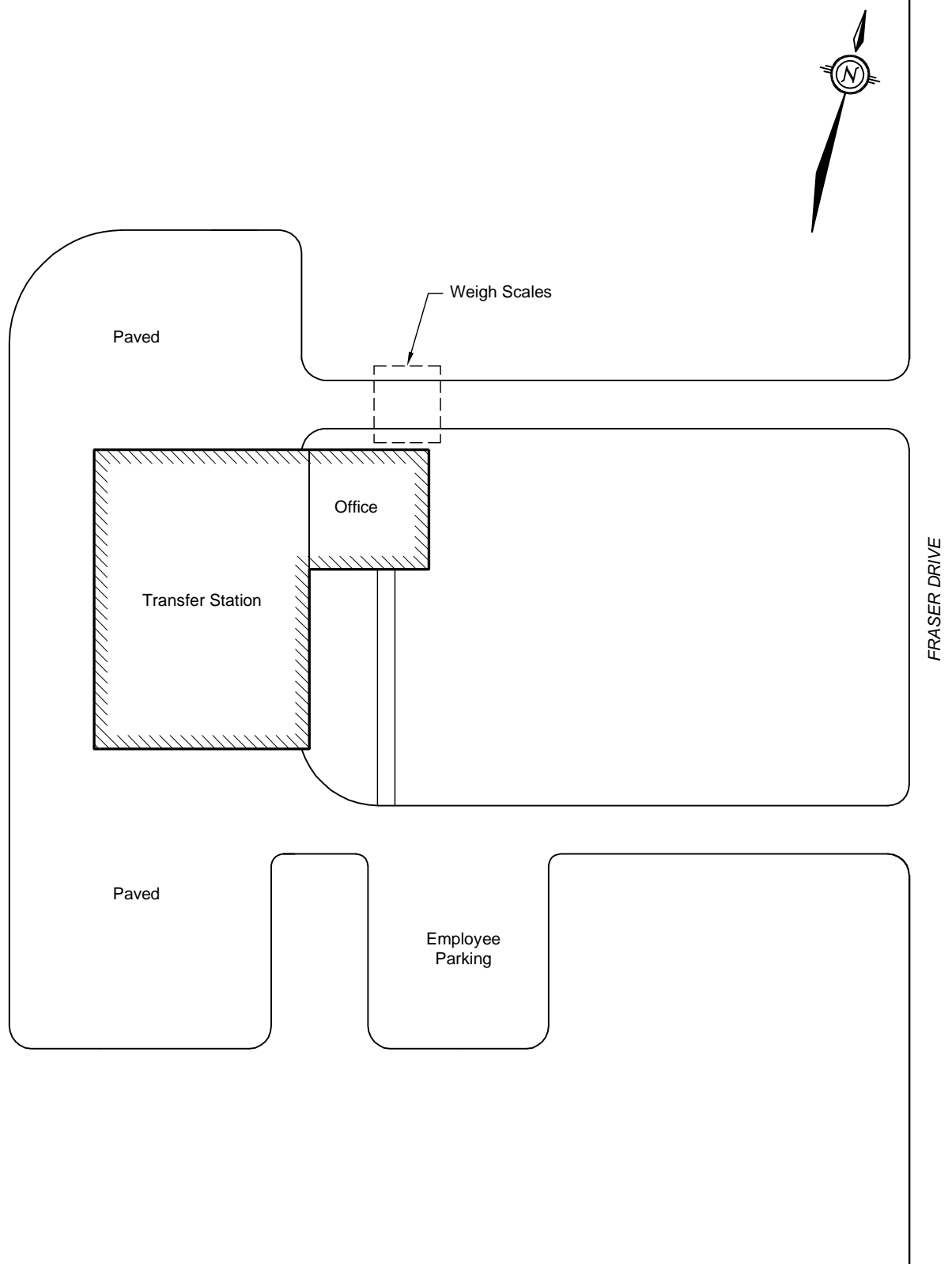
TITLE

BUILDING LAYOUT

PLACE STAMP
OF LICENCED
PROFESSIONAL
ENGINEER
HERE

PROJECT No. 08-1112-0108			FILE No. 002	
DESIGN			SCALE	NTS REV.
CADD	JLJ/JT	Aug. 2008	FIGURE 3	
CHECK	ABC	Aug. 2008		
REVIEW	JC	Aug. 2008		

Drawing file: N:\CAD\2008\08-1112-0108\08-1112-0108-003 FIG 2008'08 Site Plan - FIG 4.dwg Dec 05, 2008 - 12:57pm



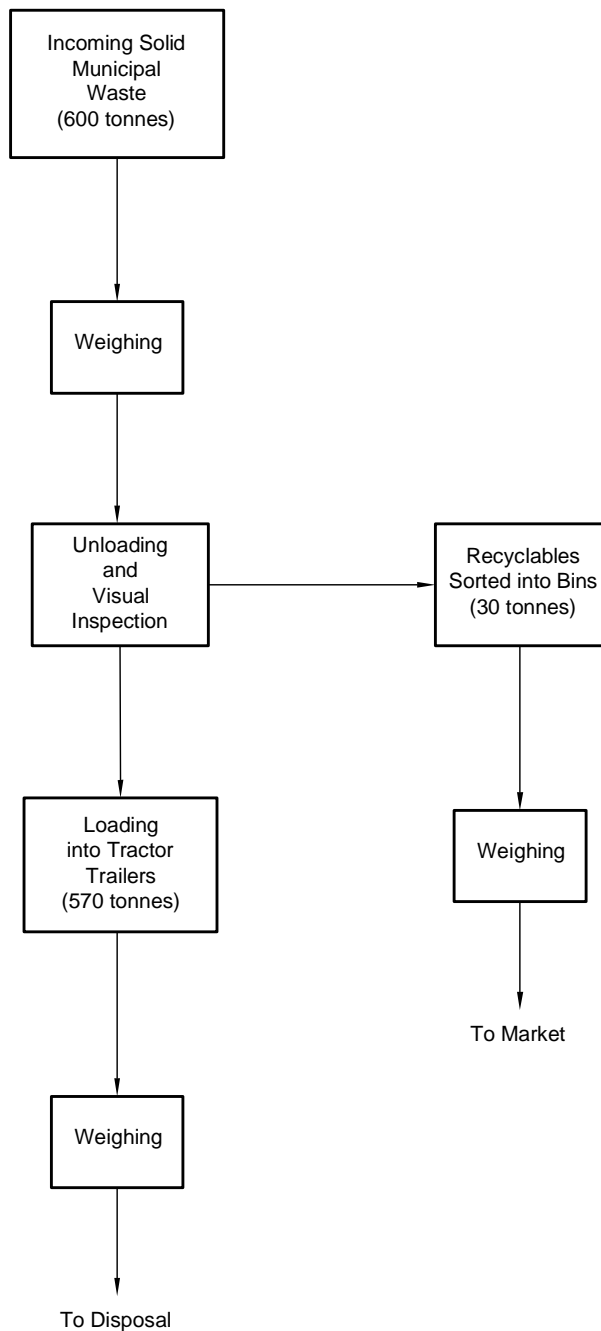
PROJECT ACME Waste Inc. Transfer and Processing Facility
123 Fraser Drive
Anytown, Ontario

TITLE

SITE PLAN

PLACE STAMP
OF LICENCED
PROFESSIONAL
ENGINEER
HERE

PROJECT No. 08-1112-0108			FILE No. 003	
DESIGN			SCALE	NTS REV.
CADD	JLJ	Aug. 2008	FIGURE 4	
CHECK	ABC	Aug. 2008		
REVIEW	JC	Aug. 2008		



NOTES

Tonnages are approximate and will vary on a daily basis.

PROJECT ACME Waste Inc. Transfer and Processing Facility
123 Fraser Drive
Anytown, Ontario

TITLE

PROCESS SCHEMATIC

PLACE STAMP
OF LICENCED
PROFESSIONAL
ENGINEER
HERE

PROJECT No. 08-1112-0108			FILE No. 005		
DESIGN			SCALE	NTS	REV.
CADD	JLJ/JT	Aug. 2008	FIGURE 5		
CHECK	ABC	Aug. 2008			
REVIEW	JC	Aug. 2008			

APPENDIX A
CALCULATIONS OF WASTE STORAGE

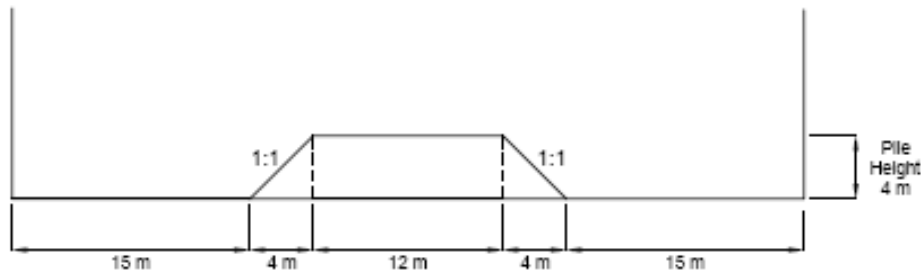
Calculations of Storage Capacity
ACME Waste Inc. Waste Transfer and Processing Facility

Calculation Assumptions:

Maximum individual storage area 1000m^2 (as per fire code)
Total Waste Unloading and Storage Area 1500m^2 (50m x 30m)
Waste Unloading Areas 900m^2 (2 x 15m x 30m)
Waste Storage Area 600m^2 (30m x 20m)
Maximum Pile height against push wall 4m
All other pile side slopes are 1:1
Waste Density of 240 kg/m^3

Capacity for Waste Storage

Waste Storage Area: 30m x 20m



Pile length - 30m

Pile Cross Sectional Area = $\frac{1}{2}(4\text{m} \times 4\text{m}) + (12\text{m} \times 4\text{m}) + \frac{1}{2}(4\text{m} \times 4\text{m}) = 64\text{m}^2$

Pile Volume = (pile length x pile cross sectional area) – west slope angle of repose
= $(30 \times 64) - 128$

Total Volume = $1,792\text{m}^3$

Waste Density = 240 kg/m^3

Total Waste Storage Capacity **430 tonnes**

Tractor trailer Storage (Waste Loading Area)

Two tractor trailers 28 tonne capacity each

Tractor Trailer storage capacity **56 tonnes**

Roll-Off Bin Storage (Recyclables)

Six roll-off bins 3 tonnes capacity each

Roll-off bin storage capacity **18 tonnes**

Total waste storage capacity = 430 tonnes (tipping floor) + 56 tonnes (tractor trailer storage) + 18 tonnes (roll-off bins) = 504 tonnes

Conservatively, assume maximum waste storage capacity of 500 tonnes

APPENDIX B
ODOUR NEUTRALIZER PRODUCT INFORMATION

MATERIAL SAFETY DATA SHEET

SECTION I : MATERIAL IDENTIFICATION AND USE

Controlled Product ☐ Yes ☒ No

Material Name

AirSolution® #9149 Concentrate

Product Identification Number

50-AIR-5130

Manufacturer's Name

HLS Ecolo Inc.

Supplier's Name

HLS Ecolo Inc.

Street Address

59 Penn Drive

Street Address

59 Penn Drive

City, Province, Country

Toronto, Ontario, Canada

City, Province, Country

Toronto, Ontario, Canada

Postal Code

M9L 2A6

Emergency Telephone No.

(613) 996-6666

Postal Code

M9L 2A6

Emergency Telephone No.

(613) 996-6666

Chemical Name

N/A

Chemical Family

Mixture

Chemical Formula

Proprietary

Molecular Weight

N/A

Trade Name And Synonyms

AirSolution® #9149

Material Use

Deodorizer

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	Approximate Concentration %	C.A.S.N.A. or U.N. Numbers	"Exposure limits"	LD50/LC50 Specify Species & Route
POLYOXYETHYLENE SORBITAN MONOOLEATE	18 - 25 %	9005-65-6	N/A	LD50: 38,500 mg/kg (oral/rat) LC50: N/A
PROPYLENE GLYCOL	18 - 22 %	57-55-6	N/A	LD50: 26,000 mg/kg (oral/rat) LC50: N/A

SECTION III - PHYSICAL DATA FOR MATERIAL

Physical State <input type="checkbox"/> Gas <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid	Odor And Appearance Aromatic clear yellowish liquid	Odor Threshold N/A	Specific Gravity 1.03 - 1.07
Vapour Pressure N/A	Vapour Density > 1	Evaporation Rate < 1	Boiling Point N/A
Solubility In Water Soluble	% Volatile N/A	pH 5.0-7.0@ 25°C	Freezing Point N/A

SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, under which conditions:
Means Of Extinction CO2, DRY CHEMICAL, UNIVERSAL-TYPE FOAM	
Special Procedures SELF CONTAINED BREATHING APPARATUS AND FIRE RETARDANT PROTECTIVE CLOTHING SHOULD BE WORN WHEN FIGHTING LARGER FIRERS INVOLVING CHEMICALS	
Flashpoint >65°C(closed cup)	Upper Explosion Limit N/A
Auto Ignition Temperature N/A	Lower Explosion Limit N/A
Explosion Data N/A	Hazardous Combustion Products CO2, CO
Rate Of Burning N/A	Explosive Power N/A
Sensitivity To Static Discharge N/A	

SECTION V - REACTIVITY DATA

Chemical Stability Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If no, under which conditions:
Incompatibility to other substances Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If so, which ones: AVOID STRONG OXIDIZING AGENTS, ACIDS AND ALKALIS
Reactivity and under what conditions This product presents no significant reactivity hazard Hazardous polymerization will not occur	
Hazardous Decomposition Products CO2, CO	

Material Name

AirSolution® #9149 Concentrate**SECTION VI - TOXICOLOGICAL PROPERTIES OF PRODUCT**Route of Entry ☒ Skin Contact ☐ Skin Absorption ☒ Eye Contact ☒ Inhalation Acute ☐ Inhalation Chronic ☒ Ingestion

Effects of Acute Exposure to Product

IF INGESTED, MAY CAUSE NAUSEA, HEADACHE

Effects of Chronic Exposure to Product

NO ILL EFFECTS ARE EXPECTED FROM REPEATED EXPOSURE TO THE SOLUTION

LD50 of Product

>10,000 mg/kg (calculated, oral/rat)

Irritancy of Product

ESSENTIALLY NON-IRRITATING

Exposure Limits of Product

N/A

LC50 of Product

N/A

Sensitization to Product

N/A

Synergistic Materials

N/A

☐ Carcinogenicity☐ Reproductive effects☐ Teratogenicity☐ Mutagenicity**SECTION VII - PREVENTATIVE MEASURES**

Personal Protective Equipment

Gloves **rubber gloves recommended** Respiratory **NOT REQUIRED** Eye **NOT REQUIRED** Footwear **NOT REQUIRED**Clothing **NOT REQUIRED** Other **EYE WASH KIT SHOULD BE AVAILABLE**Engineering Controls **GENERAL VENTILATION**Leak and Spill Procedure **MOP UP WITH PLENTY OF WATER, DILUTE WITH RUNNING WATER**Waste Disposal **FOLLOW FEDERAL, STATE/PROVINCIAL , LOCAL REGULATIONS FOR DISPOSAL**Handling Procedures and Equipment **AVOID CONTACT WITH EYES AND SKIN**Storage Requirements **STORE IN A TIGHTLY CLOSED CONTAINER. KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME, AND ALL INCOMPATIBLES**Special Shipping Information **NOT REQUIRED****SECTION VIII - FIRST AID MEASURES**Skin **FLUSH CONTACT AREA WITH WARM WATER**Eyes **FLUSH EYES WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, SEE A DOCTOR**Inhalation **REMOVE TO FRESH AIR**Ingestion **RINSE MOUTH WITH WATER. DO NOT INDUCE VOMITING. DRINK PLENTY OF WATER TO DILUTE**General advice **FOLLOW GOOD INDUSTRIAL SAFETY PRACTICES****SECTION IX - PREPARATION DATE OF M.S.D.S.**Additional Information **HLS Ecolo Inc.**

Sources Used

Prepared by: **HLS Ecolo Inc.**Phone number **416-740-3900**Date **March, 2007**

MATERIAL SAFETY DATA SHEET

SECTION I : MATERIAL IDENTIFICATION AND USE

Controlled Product ☒ Yes ☐ No

Material Name

AirSolution® #115 Concentrate

Product Identification Number

50-AIR-3230

Manufacturer's Name

HLS Ecolo Inc.

Supplier's Name

HLS Ecolo Inc.

Street Address

59 Penn Drive

Street Address

59 Penn Drive

City, Province, Country

Toronto, Ontario, Canada

City, Province, Country

Toronto, Ontario, Canada

Postal Code

M9L 2A6

Emergency Telephone No.

(613) 996-6666

Postal Code

M9L 2A6

Emergency Telephone No.

(613) 996-6666

Chemical Name

N/A

Chemical Family

Mixture

Chemical Formula

Proprietary

Molecular Weight

N/A

Trade Name And Synonyms

AirSolution® #115

Material Use

Deodorizer

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	Approximate Concentration %	C.A.S.N.A. or U.N. Numbers	"Exposure limits"	LD50/LC50 Specify Species & Route
ISOPROPYL ALCOHOL	35.0-37.0%	67-63-0	400 PPM TWA (ACGIH 1993-94)	LD50: 4,720 mg/kg (oral/rat) LC50: 12,000 ppm 8/H (rat)
POLYOXYETHYLENE SORBITAN MONOOLEATE	13.0-15.0	9005-65-6	N/A	LD50: 38,500 mg/kg (oral/rat) LC50: N/A

SECTION III - PHYSICAL DATA FOR MATERIAL

Physical State <input type="checkbox"/> Gas <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid	Odor And Appearance Aromatic clear liquid, red colour	Odor Threshold N/A	Specific Gravity 0.945-0.965
Vapour Pressure N/A	Vapour Density >1	Evaporation Rate <1	Boiling Point N/A
Solubility In Water Soluble	% Volatile N/A	pH 5.5-7.0 @ 25°C	Freezing Point N/A

SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, under which conditions: OPEN FLAME, SPARKS
Means Of Extinction CO2, DRY CHEMICAL, UNIVERSAL-TYPE FOAM	
Special Precedures SELF-CONTAINED BREATHING APPARATUS AND FIRE-RETARDENT PROTECTIVE CLOTHING SHOULD BE WORN WHEN FIGHTING LARGER FIRES INVOLVING CHEMICALS	
Flashpoint 25°C (closed cup)	Upper Explosion Limit N/A
Auto Ignition Temperature N/A	Lower Explosion Limit N/A
Explosion Data N/A	Hazardous Combustion Products CO2, CO
Rate Of Burning N/A	Explosive Power N/A
Sensitivity To Static Discharge N/A	

SECTION V - REACTIVITY DATA

Chemical Stability Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If no, under which conditions:
Incompatibility to other substances Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If so, which ones: STRONG ACIDS, ALKALIS OR OXIDIZING AGENTS
Reactivity and under what conditions This product presents no significant reactivity hazard Hazardous polymerization will not occur	
Hazardous Decomposition Products CO2, CO	

Material Name

AirSolution® #115 Concentrate**SECTION VI - TOXICOLOGICAL PROPERTIES OF PRODUCT**Route of Entry ☒ Skin Contact ☐ Skin Absorption ☒ Eye Contact ☒ Inhalation Acute ☐ Inhalation Chronic ☒ Ingestion

Effects of Acute Exposure to Product

IF INGESTED, MAY CAUSE NAUSEA, HEADACHE

Effects of Chronic Exposure to Product

NO ILL EFFECTS ARE EXPECTED FROM REPEATED EXPOSURE TO THE SOLUTION

LD50 of Product

>10,000 mg/kg (calculated oral/rat)

Irritancy of Product

MIGHT BE IRRITATING TO EYES AND SKIN

Exposure Limits of Product

N/A

LC50 of Product

>12,000 ppm/8H (rat)

Sensitization to Product

N/A

Synergistic Materials

N/A

☐ Carcinogenicity☐ Reproductive effects☐ Teratogenicity☐ Mutagenicity**SECTION VII - PREVENTATIVE MEASURES**

Personal Protective Equipment

Gloves	Rubber gloves	Respiratory	Not required	Eye	Not required	Footwear	Not required
Clothing	Not required	Other	Eye wash kit should be available				

Engineering Controls

GENERAL VENTILATION

Leak and Spill Procedure

MOP UP WITH PLENTY OF WATER, DILUTE WITH RUNNING WATER

Waste Disposal

FOLLOW FEDERAL, STATE/PROVINCIAL, LOCAL REGULATIONS FOR DISPOSAL

Handling Procedures and Equipment

AVOID CONTACT WITH EYES AND SKIN

Storage Requirements

STORE IN TIGHTLY CLOSED CONTAINER AWAY FROM LIGHT, HEAT, OPEN FLAME, SPARKS, AND ALL INCOMPATIBLES

Special Shipping Information

FLAMMABLE LIQUID CLASS 3, PACKING GROUP III**SECTION VIII - FIRST AID MEASURES**

Skin Flush contact area with SOAP AND water

Eyes Flush eyes with water for 15 minutes. If irritation persists, see a doctor

Inhalation Remove to fresh air

Ingestion Rinse mouth with water. Do not induce vomiting. Drink plenty of water to dilute. Call A Physician

General advice Follow good industrial safety practices

SECTION IX - PREPARATION DATE OF M.S.D.S.

Additional Information HLS Ecolo Inc.

Sources Used Nucro-Technics Incorporated

Prepared by: HLS Ecolo Inc.

Phone number 416-740-3900

Date March, 2007

MATERIAL SAFETY DATA SHEET

SECTION I : MATERIAL IDENTIFICATION AND USE

Controlled Product ☐ Yes ☒ No

Material Name

AirSolution® #9204 Concentrate

Product Identification Number

50-AIR-5330

Manufacturer's Name

HLS Ecolo Inc.

Supplier's Name

HLS Ecolo Inc.

Street Address

59 Penn Drive

Street Address

59 Penn Drive

City, Province, Country

Toronto, Ontario, Canada

City, Province, Country

Toronto, Ontario, Canada

Postal Code

M9L 2A6

Emergency Telephone No.

(613) 996-6666

Postal Code

M9L 2A6

Emergency Telephone No.

(613) 996-6666

Chemical Name

N/A

Chemical Family

Mixture

Chemical Formula

Proprietary

Molecular Weight

N/A

Trade Name And Synonyms

AirSolution® #9204

Material Use

Deodorizer

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	Approximate Concentration %	C.A.S.N.A. or U.N. Numbers	"Exposure limits"	LD50/LC50 Specify Species & Route
POLYOXYETHYLENE SORBITAN MOMOOLEATE	25 - 30 %	9005-65-6	N/A	LD50: 38,500 mg/kg (oral/rat) LC50: N/A
PROPYLENE GLYCOL	25 - 30 %	57-55-6	N/A	LD50: 26,000 mg/kg (oral/rat) LC50: N/A

SECTION III - PHYSICAL DATA FOR MATERIAL

Physical State <input type="checkbox"/> Gas <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid	Odor And Appearance Aromatic clear yellowish liquid	Odor Threshold N/A	Specific Gravity 1.01 - 1.05
Vapour Pressure N/A	Vapour Density > 1	Evaporation Rate < 1	Boiling Point N/A
Solubility In Water Soluble	% Volatile N/A	pH 5.0-7.0@ 25°C	Freezing Point N/A

SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, under which conditions:
Means Of Extinction CO2, DRY CHEMICAL, UNIVERSAL-TYPE FOAM	
Special Procedures SELF CONTAINED BREATHING APPARATUS AND FIRE RETARDANT PROTECTIVE CLOTHING SHOULD BE WORN WHEN FIGHTING LARGER FIRERS INVOLVING CHEMICALS	
Flashpoint >65°C(closed cup)	Upper Explosion Limit N/A
Auto Ignition Temperature N/A	Lower Explosion Limit N/A
Explosion Data N/A	Hazardous Combustion Products CO2, CO
Rate Of Burning N/A	Explosive Power N/A
Sensitivity To Static Discharge N/A	

SECTION V - REACTIVITY DATA

Chemical Stability Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If no, under which conditions:
Incompatibility to other substances Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If so, which ones: AVOID STRONG OXIDIZING AGENTS, ACIDS AND ALKALIS
Reactivity and under what conditions This product presents no significant reactivity hazard Hazardous polymerization will not occur	
Hazardous Decomposition Products CO2, CO	

Material Name

AirSolution® #9204 Concentrate

SECTION VI - TOXICOLOGICAL PROPERTIES OF PRODUCT

Route of Entry ☒ Skin Contact ☐ Skin Absorption ☒ Eye Contact ☒ Inhalation Acute ☐ Inhalation Chronic ☒ Ingestion

Effects of Acute Exposure to Product

IF INGESTED, MAY CAUSE NAUSEA, HEADACHE

Effects of Chronic Exposure to Product

NO ILL EFFECTS ARE EXPECTED FROM REPEATED EXPOSURE TO THE SOLUTION

LD50 of Product

>10,000 mg/kg (calculated, oral/rat)

Irritancy of Product

ESSENTIALLY NON-IRRITATING

Exposure Limits of Product

N/A

LC50 of Product

N/A

Sensitization to Product

N/A

Synergistic Materials

N/A

☐ Carcinogenicity☐ Reproductive effects☐ Teratogenicity☐ Mutagenicity

SECTION VII - PREVENTATIVE MEASURES

Personal Protective Equipment

Gloves Rubber gloves recommended Respiratory NOT REQUIRED Eye NOT REQUIRED Footwear NOT REQUIRED

Clothing NOT REQUIRED Other EYE WASH KIT SHOULD BE AVAILABLE

Engineering Controls

GENERAL VENTILATION

Leak and Spill Procedure

MOP UP WITH PLENTY OF WATER, DILUTING IT WITH RUNNING WATER

Waste Disposal

FOLLOW FEDERAL, STATE/PROVINCIAL, LOCAL REGULATIONS FOR DISPOSAL

Handling Procedures and Equipment

AVOID CONTACT WITH EYES AND SKIN

Storage Requirements

STORE IN A TIGHTLY CLOSED CONTAINER. KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME, AND ALL INCOMPATIBLES

Special Shipping Information

NOT REQUIRED

SECTION VIII - FIRST AID MEASURES

Skin FLUSH CONTACT AREA WITH WARM WATER

Eyes FLUSH EYES WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, SEE A DOCTOR

Inhalation REMOVE TO FRESH AIR

Ingestion RINSE MOUTH WITH WATER. DO NOT INDUCE VOMITING. DRINK PLENTY OF WATER TO DILUTE

General advice FOLLOW GOOD INDUSTRIAL SAFETY PRACTICES

SECTION IX - PREPARATION DATE OF M.S.D.S.

Additional Information HLS Ecolo Inc.

Sources Used Nucro-Technics Inc.

Prepared by: HLS Ecolo Inc.

Phone number 416-740-3900

Date March, 2007

Attachment 4
Record of Consultation

ACME Waste Inc.

Waste Transfer and Processing Facility

Record of Consultation

The following is a record of the consultation efforts that were carried out for the proposed non-hazardous waste transfer and processing facility.

District Office Consultation

A meeting was held on June 18, 2008 with staff at the Anytown District Office of the Ministry of the Environment to discuss the proposal. The following people were in attendance at the meeting:

- A. Goodguy, General Manager ACME
- J. Smith Operations Manager, ACME
- J. Consultant, P.Eng., P.E.S. Waste Inc.
- I. N. Spector, Environmental Officer, MOE Anytown District
- O. Verseer, District Supervisor, MOE Anytown District

At the meeting preliminary versions of both the Design and Operations Report and Engineer's Report were circulated. Joe Consultant presented the details of the application to Ministry representatives. The District Office did not express any significant concerns regarding the design of the facility. I.N. Spector, did however ask that the application package be revised to include additional details with respect to how odours generated at the facility will be minimized and to include contingency plans to deal with odours should complaints be received. The changes requested were incorporated into the final application package that was submitted to the Ministry.

Municipal Consultation

A meeting with staff and the mayor of Anytown was held on July 13, 2008. The following people were in attendance at the meeting:

- A. Goodguy, General Manager, ACME
- J. Smith, Operations Manager, ACME
- U. Trustmee, Mayor, Anytown
- S. Stinkelback, Manager of Planning, First Town
- E. Everaham, Manager of Public Works
- B. Smokey, Fire Chief

Mr Goodguy presented the plans for the development of the ACME Waste Inc. transfer and processing facility.

Sue Stinkelback advised that the proposed facility operations were consistent with the zoning and the Official Plan for the Town.

Ernie Everaham advised that the road network was adequate to manage the volume of traffic generated by the facility.

Fire Chief Bud Smokey had reviewed the plans with ACME previously and he advised that the design of the facility meets the requirements of the Building Code as it relates to fire protection. He was provided with a copy of the Environmental Emergency and Contingency (E2C) Plan for the facility. He will review the E2C Plan and provide any comments that he may have to ACME.

There are no First Nations lands within 100 kilometres of the site. Abe Goodguy indicated that he had advised Indian and Northern Affairs of the proposed development, and was advised that they have no concerns.

Mayor Trustmee advised that he will report on the proposed facility at the next Town Council meeting and ask for a resolution supporting the development of the ACME Waste Inc. waste transfer and processing facility.

Public Consultation

A Public Consultation Centre about the proposed development was held on August 19, 2008 at the Anytown Municipal Building. The following notification regarding the Public Consultation Centre took place:

- A notice by first class mail was sent to all property owners and tenants within 400 metres of the site property advising them of the proposed transfer and processing facility and that a Public Consultation Centre would be held on August 19, 2008.
- The notice also included the contact information for the Director of the Ministry's Environmental Assessment and Approvals Branch where comments could be directed should the owner or tenant choose either to not attend or choose to provide comments directly to the Ministry. The letter indicated that comments should be provided within 30 days.
- A notice of the Public Consultation Centre was placed in the Anytown News on August 5 and 12, 2008.
- A copy of the public notice is included in Appendix A.

In attendance at the Public Consultation Centre were:

- Twenty-five members of the public
- A. Goodguy, ACME General Manager
- J. Smith, ACME Operations Manager

- U. Trustmee, Anytown Mayor
- S. Jibb, Anytown Building Inspector

The Public Consultation Centre was held from 4:00 pm to 8:00 pm. Those attending during that time could review the display panels and discuss the project with the representatives from ACME and Anytown. A formal powerpoint presentation was delivered from 7:00 – 7:45 pm, followed by an open question period following.

The residents in attendance expressed concern about the route of the truck traffic accessing the facility. General Manager Abe Goodguy advised that the trucks would access the site from Highway 100, along Haul Road to Fraser Drive. They would not travel past any private residences when going to or from the site. Mayor Trustmee advised that the Public Works Manager had reviewed the traffic volumes and determined that the amount of truck traffic would not have a detrimental effect on the pavement condition of the local roadways.

There was a discussion about the operating hours of the plant. The initial plan was to allow the facility to receive or ship waste 24 hours a day, 7 days a week. The local residents expressed concern about the site operating throughout the night and on weekends. After considerable discussion, the following hours for receiving waste were agreed to by ACME and the residents in attendance:

Monday to Saturday 7:00 am to 8:00 pm.

A procedure for recording and managing any complaints that might result from the operation of the facility was discussed and agreed upon. ACME also agreed to hold an annual Public Consultation Event to advise the local residents about the facility operations and to hear any concerns that the residents may have.

Hardcopies of the powerpoint presentation were available to all attendees. Copies of the draft Design and Operations Plan for the transfer and processing facility were available for those wishing to take a copy. All attendees were encouraged to complete a comment sheet.

A total of twenty comment sheets were completed and left at the Public Consultation Centre or returned by mail or fax to ACME. A copy of the comment sheet is included in Appendix B.

The table below summarizes the level of support for the specific questions on the comment sheet.

	Yes	No	Uncertain
Do you support the development of the ACME transfer and processing facility as proposed?	40%	40%	20%
Do you have a specific concern about the operations of the proposed Transfer Station?	40%	60%	

The following additional comments were made at the meeting:

Comment 1: Three persons were concerned about the traffic and that there will be odours from the plant.

Comment 2: Two persons indicated that we should be recycling our waste and not sending it to landfill.

Comment 3: One person indicated that waste that is not capable of being recycled should be treated by thermal incineration and utilized for much needed electric power.

Comment 4: Two persons indicated that they appreciated that the company decided to shorten the waste receiving hours and not receive waste on Sunday.

Attachment 5
Financial Assurance Report

FINANCIAL ASSURANCE REPORT

**ACME WASTE INC. WASTE TRANSFER
AND PROCESSING FACILITY
Anytown, Ontario**

Prepared by:
ACME Waste Inc.
123 Anywhere Street
Anytown, Ontario
N9N 1A1

November 2008

ACME WASTE INC.

WASTE TRANSFER AND PROCESSING FACILITY

FINANCIAL ASSURANCE CALCULATIONS

Financial Assurance is authorized under Part XII of the *Environmental Protection Act* to ensure that funds are available for, but not limited to:

- the performance of environmental measures specified in approvals, orders or regulations; and
- decommissioning, clean-up, rehabilitation, monitoring and perpetual care of facilities such as private waste processing and disposal sites.

The Financial Assurance calculations for the ACME Waste Inc. waste transfer and processing facility are included in Table 1 and are completed in accordance with the Ontario Ministry of the Environment's *Financial Assurance Guidelines, November 2005*. Three quotes have been obtained for performing each of the required services. The written quotations from the lowest bidder to complete these services are included in the attachments to this document. As allowed in Section 6.2 of the Financial Assurance Guidelines, the lowest cost quotation for each service has been used to determine the financial assurance amounts.

TABLE 1: FINANCIAL ASSURANCE CALCULATIONS

Task	Cost/tonne	Tonnes	Lump Sum	Total
Loading Costs	\$12.50	500		\$6,250
Hauling Costs	\$28.80	500		\$14,400
Disposal Costs	\$46.00	500		\$23,000
Building Cleanup			\$2,500	\$2,500
Equipment Cleanup			\$3,000	\$3,000
Removal of Tanks				n/a
Subtotal				\$49,150
Project Management (15%)				\$7,373
Contingency (15%):				\$7,373
Total Financial Assurance Required				\$63,896

The total Financial Assurance required is \$63,896. This is based on cleanup of 500 tonnes of waste, which is the maximum allowed at the site at any one time.

APPENDIX A
THIRD PARTY QUOTATIONS FOR SERVICES

**ACME Waste Inc.
ACME Othertown Composting Facility
Waste Cleanup and Disposal**

TENDER FOR CONTRACT NO. 08-101

The Contractor has carefully examined the provisions, plans, specifications and conditions attached to his tender and has carefully examined the location of the work to be done under this contract, and the Contractor understands and accepts the said provisions, plans, specifications and conditions and, for the prices set forth in this tender, hereby offers to furnish all machinery, equipment, vehicles, except as otherwise specified in the contract, and to complete the work in strict accordance with the provisions, plans, specifications and conditions attached to this tender.

BY Reliable Hauling and Disposal Inc.
Name of Firm or Individual (Hereafter referred to as "The Contractor")

430 Main St., Othertown, ON
Address

<u>Mac Jones</u> Name of Person Signing For Firm (Print)	<u>Mac Jones</u> Signature
----------------------------------------------------------------	-------------------------------

Director
Office of Person Signing for Firm

<u>(905) 555 -3333</u> Telephone #	<u>N/A</u> Facsimile #
---------------------------------------	---------------------------

Item # 1: Quotations for Waste Hauling and Disposal

Cost per tonne to haul 7,000 tonnes of waste from the ACME Othertown Composting Facility to a licensed Waste Disposal Site (attach a copy of the Certificate of Approval for the Site)

Cost per Tonne For Hauling \$ 28.80

Cost per Tonne For Disposal \$ 46.00

(ALL PRICES TO BE QUOTED LESS GST).

**ACME Waste Inc.
ACME Othertown Composting Facility
Waste Cleanup and Disposal**

TENDER FOR CONTRACT NO. 08-102

The Contractor has carefully examined the provisions, plans, specifications and conditions attached to his tender and has carefully examined the location of the work to be done under this contract, and the Contractor understands and accepts the said provisions, plans, specifications and conditions and, for the prices set forth in this tender, hereby offers to furnish all machinery, equipment, vehicles, except as otherwise specified in the contract, and to complete the work in strict accordance with the provisions, plans, specifications and conditions attached to this tender.

BY Crystal Kleen Industrial Hygiene
Name of Firm or Individual (Hereafter referred to as "The Contractor")

239 Apple Lane, Nowhere, ON
Address

<u>Jane Smith</u> Name of Person Signing For Firm (Print)	<u>Jane Smith</u> Signature
-----------------------------------------------------------------	--------------------------------

Manager
Office of Person Signing for Firm

<u>(905) 555 - 4444</u> Telephone #	<u>(905) 555 -4441</u> Facsimile #
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<u>Item # 1:</u>	Quotations for Building Cleanup	\$ <u>2,500</u>
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(ALL PRICES TO BE QUOTED LESS GST).

**ACME Waste Inc.
ACME Othertown Composting Facility
Waste Cleanup and Disposal**

TENDER FOR CONTRACT NO. 08-103

The Contractor has carefully examined the provisions, plans, specifications and conditions attached to his tender and has carefully examined the location of the work to be done under this contract, and the Contractor understands and accepts the said provisions, plans, specifications and conditions and, for the prices set forth in this tender, hereby offers to furnish all machinery, equipment, vehicles, except as otherwise specified in the contract, and to complete the work in strict accordance with the provisions, plans, specifications and conditions attached to this tender.

BY John's General Contracting
Name of Firm or Individual (Hereafter referred to as "The Contractor")

3911 Main Street, Othertown, ON
Address

John Jones
Name of Person Signing
For Firm (Print)

John Jones
Signature

Owner
Office of Person Signing for Firm

(416) 555 -2222
Telephone #

Facsimile #

Item # 1: Quotations for Equipment Cleanup \$ 3,000

(ALL PRICES TO BE QUOTED LESS GST).

Attachment 6
Engineer's Report

ENGINEER'S REPORT

Comprehensive Provisional Certificate of Approval
ACME Waste Inc. Waste Transfer and Processing Facility
123 Fraser St., Anytown, Ontario

I. Function of the Site

ACME Waste Inc. (ACME) proposes to construct and operate a non-hazardous solid waste transfer and processing facility. The facility will be used for the transfer, processing and temporary storage of non-hazardous solid municipal waste, including residential waste, industrial, commercial, institutional (IC&I) waste, and construction and demolition (C&D) waste. Initially, 95% of the waste will be transferred with only 5% of the wastes processed for recycled. With the eventual installation of mechanized sorting equipment, it is projected that up to 50% of the waste will be processed and recycled.

II. Site Description

The proposed site consists of a 5.0 hectare parcel of land located at Part Lots 1 & 2, Concession 12, Prosperous Count, Anytown, Ontario. Taking into account property set backs and current Anytown Zoning By-Law 2202-123, 60% of 4.5 hectares can be built upon.

ACME plans to construct a building with a total floor area of 2,200 m². The site is able to accommodate considerably more additional infrastructure as the 2,200 m² building will only occupy about 6% of the permitted building area on the site. The construction of additional building infrastructure will comply with all requirements of the Anytown Zoning By-Law and the Ontario Building Code.

III. Site Design Constraints

3.1 *Restrictions Imposed by the Local Municipal Authority*

According to the Building Services Department for Anytown, the site proposed for the waste transfer and processing facility is not currently within an area that is designated as requiring site plan approval.

The facility will be built on a property that is zoned General Industrial (M2) and will be required to comply with all requirements of the Anytown Zoning By-Law 2002-123 (as amended) for EM4 zoning. By-Law 2005-275 allows for a maximum lot coverage of 60% for development in EM4 zoning areas.

The Anytown By-Law 2002-123 restricts the emission of sound within residential areas only. This facility is not located in an area zoned residential and is therefore not restricted by By-Law 2002-123 at this time.

Any modifications to the site or the operation will be required to comply with the Anytown By-laws and planning requirements that are in place at the time of the modification.

3.2 Restrictions Imposed by the Ontario Fire Code and the Building Code

The facility will operate in accordance with The Fire Protection and Prevention Act, 1997 and The Ontario Fire Code O. Reg. 213/07, as amended.

The design and construction of the transfer facility and any building modifications are subject to the 2006 Building Code (O. Reg 350/06), as amended. The Ontario Building Code provides regulations and requirements which pertain to the design and construction of buildings, such as standards for construction, building exits and fire protection systems.

3.3 Other Restrictions

3.3.1 There are currently no other restrictions to development on the proposed site.

3.3.2 If odours, pests, or other nuisance effects occur, then the generally accepted best management practices would be utilized to mitigate the issue.

3.3.3 Any modification to the processing operations or equipment will ensure that all receiving, processing and storage of waste takes place inside a covered four walled structure and that there is no outside storage, loading or unloading of putrescible wastes unless in enclosed containers.

3.3.4 Modifications to the Site will not be made until ACME has received prior approval from the Ministry for air and noise emissions (Section 9, EPA) and wastewater discharges (Section 53, OWRA) and from Anytown for changes to sanitary sewer discharges if such approvals are required as a result of the modification.

IV. Operating Envelope

Modifications may be made to the Site from time to time under the flexibility of the Comprehensive Provisional Certificate of Approval (PCOA). When such modifications are made, a notification report will be submitted to the Ministry of the Environment District Office at least 15 days prior to the modification being made. The notification report will include a statement signed by an ACME Director and an independent Professional Engineer declaring that the changes made are done so under the authority of the operational flexibility of the Comprehensive PCOA, and that the changes to the operations are consistent with generally accepted best management practices in the industry, and are not likely to result in an adverse effect.

4.1 Modifications to Site Infrastructure

Extensions to the original facility or separate structures may be constructed within the building envelope (4.5 hectares), providing that the construction complies with any requirements of the Anytown Zoning By-Law and the Ontario Building Code that are in effect at the time of construction. The maximum extension to the existing building's floor space will be 2,500 m². ACME will be required to apply for a building permit if they plan to construct an extension to the

existing facility or separate structures on the site. ACME will be required to comply with any site plan agreement requirements that may be in place at that time.

In addition to the possible extension of the floor space of the building, other possible modifications to the site infrastructure are:

- Addition of a drop off area for use by the public;
- Addition or relocation of fuel storage facilities; or
- Stormwater drainage changes.

Modifications may be made to improve the working environment for the employees within the facility, such as installation or improvements to heating units, air conditioning units, air handling units, odour control systems or dust control systems. These changes would occur within the building and would not adversely effect the surrounding environment. If the modifications would result in a discharge of contaminant to the outside environment, then an application for a Section 9 Certificate of Approval (Air and Noise) would be required before the changes are made.

Improvements may be made to the outside of the building or the property to improve the appearance of the operation or to improve how the operation functions. These changes may include:

- Landscaping changes;
- On-site roadway changes;
- Relocation of scales;
- Installation of additional parking stalls and/or rearrangement of parking areas;
- Installation or modifications to lighting; or
- Installation or modifications to signage.

4.2 *Modifications to Site Transferring/Processing Operations and Equipment*

The equipment being utilized at this site is rubber tired loaders to load waste into tractor trailers. Roll-off bins will be located on the tipping floor to deposit quantities of recyclables that are positively sorted from the waste. As the facility starts to process more of its waste to increase the amount of recycling, up to an additional 5 roll-off bins may be added for the recycling efforts. As the facility gets closer to its objective of having 50% of the waste recycled, it is expected that the tractor trailer loading area will be used to load tractor trailers with recycling material in addition to the current use for transferring waste.

Modifications may be made from time to time to site equipment under the flexibility of the Comprehensive Provisional Certificate of Approval (PCOA). When such modifications are made, a notification report will be submitted to the Ontario Ministry of the Environment District Office. The notification report will include a statement signed by an ACME Director and an independent Professional Engineer declaring that the changes made are done so under the authority of the operational flexibility of the Comprehensive PCOA, and that the changes to the operations are consistent with generally accepted best management practices in the industry.

Modifications may be made to improve the efficiency and the effectiveness of the operation. This may include:

- Modifications or repairs to the building and its facilities including walls, floors, pits, roof, doors, plumbing, electrical, etc;
- The installation or replacement of recycling or transfer plant equipment such as balers; conveyors; separation equipment; compactors; grinders; shredders, etc.;
- Transformation from a manual waste sorting operation into a fully automated sorting facility through the installation of various sorting machinery;
- Addition or replacement of mobile equipment for use on site; or,
- Relocation and modification of maintenance and waste processing operations inside the building.

Any modification to the operations or equipment will ensure that all waste handling takes place inside a four walled structure and that there is no outside storage of any waste.

4.3 *Modifications to Accept all Types of Waste*

The facility will accept non-hazardous solid municipal waste from residential, IC&I sources, and C&D waste. No change will be made to the type of waste accepted.

4.4 *Maximum Waste Storage Limit*

The maximum allowed waste storage of the facility is 500 tonnes. No change will be made to the maximum waste storage limit.

4.5 *Maximum Waste Transfer Limit*

The approval is for a facility that can receive a maximum average of 1,000 tonnes per day (365,000 tonnes per year maximum). Initially, before the facility is expanded, it can receive a maximum average of 600 tonnes per day (219,000 tonnes per year maximum).

The Comprehensive PCOA allows the certificate holder to utilize an annual averaging of the waste quantities received to account for seasonal fluctuations in waste generation. Therefore, the operator may receive in excess of the maximum average daily amount during peak periods up to the maximum daily cap amount, provided that the maximum annual limit is not exceeded. For this facility, the maximum amount of waste that can be received in any one day is capped at 2,500 tonnes. For the initial period before the facility is expanded, the maximum amount of waste that can be received in any one day is capped at 1,200 tonnes.

Calculations for the daily throughput capacity for the ACME waste transfer and processing facility is included in Appendix A.

V. *Statement of Accountability*

This Engineer's Report is accurate and fully describes and discloses all Site Design Constraints as of the date it was submitted to the Ministry of the Environment.

Joe Consultant, P.Eng.
P.E.S. Waste Inc.

Abe Goodguy
General Manager, ACME Waste Inc.

APPENDIX A

CALCULATIONS OF DAILY THROUGHPUT CAPACITY

ACME Waste Inc. Waste Transfer and Processing Facility
Calculations of Daily Throughput Capacity

The daily throughput capacity for a Waste Transfer and Processing Facility is limited by the amount of waste that can be removed from the facility in one day.

Maximum Outbound Hauling Capacity

These calculations are based on shipping waste 24 hours a day

Average Load per trailer = 28 tonnes

2 Outbound Tractor Trailers loaded simultaneously

Loading Time = 30min per trailer

4 trailer loaded per hour x 24 hours per day

Daily Outbound Capacity = 2688 tonnes

Daily Throughput Capacity to be limited to **2,500 tonnes**

Attachment 7
Applicant, Technical Information Contact and Engineer's
Statement

Applicant Statement

Applicant Company Name: **ACME Waste Inc.**

Site Address: **123 Anywhere Street**
Anytown, Ontario
N9N 1A1

Applicant Initials	Statement
A.G.	1. I am representative of ACME Waste Inc. and I am authorized and have the knowledge to make the following statements.
A.G.	2. I have retained/directed the person(s) responsible for preparing this Application.
A.G.	3. I have not knowingly withheld any information necessary for the Applicant and/or Technical Information Contact and or Engineer to complete the Application.
A.G.	4. To my knowledge, the information presented in this Application are true representatives of the Waste Disposal Site.
A.G.	5. The application being submitted is generally consistent with the Sample Application Package for a Comprehensive Certificate of Approval for a Municipal Waste Transfer and Processing site (PIBS 6837e).

Applicant Name: **Abe Goodguy**

Applicant Title: **Manager**

Applicant Signature: *Abe Goodguy*

Date: November 14, 2008

Technical Information Contact Statement

Applicant Company Name: **ACME Waste Inc.**

Site Address: **123 Anywhere Street**
Anytown, Ontario
N9N 1A1

Applicant Initials	Statement
J.C.	1. I am a representative of P.E.S. Waste Inc. and I am responsible for the preparation of the technical content of the Application.
J.C.	2. I have followed the requirements listed in the Guide for Applying for Approval of Waste Disposal Sites dated February 2009 and the Application submitted is generally consistent with the Sample Application Package for a Comprehensive Certificate of Approval for a Municipal Waste Transfer and Processing site (PIBS 6837e).
J.C.	3. I have used engineering or scientific principles in accordance with generally accepted principles and practices as recognized by members of the environmental or science profession or discipline practising at the same time and in the same or similar location.
J.C.	4. I have verified that the details of the Design and Operations Report, Financial Assurance Estimate and Engineer's Report presented in the Application is accurate and have checked that the information presented in any tables, figures, drawings and/or calculations is correct.
J.C.	5. I have not withheld any necessary information provided by the Applicant in the completion of this Application.
J.C.	6. To my knowledge, the information presented in the Design and Operations Report and Engineer's Report are true representations of the Waste Disposal Site.

Technical Information Contact Name: **Joe Consultant, P.Eng.**

Technical Information Company Name: **P.E.S. Waste Inc.**

Technical Information Contact Signature: Joe Consultant

Date: November 14, 2008

Engineer's Statement

Applicant Company Name: **ACME Waste Inc.**

Site Address: **123 Anywhere Street**
Anytown, Ontario
N9N 1A1

Applicant Initials	Statement
J.C.	1. I am a representative of P.E.S. Waste Inc. and I am authorized and have the knowledge to make the following statements.
J.C.	2. I have used engineering or scientific principles in accordance with generally accepted engineering principles and best management practices as recognized by members of the environmental engineering or science profession or discipline practising at the same time and in the same or similar location.
J.C.	3. In preparing the Engineer's Report, I have independently verified that details of the Design and Operations Report and Engineer's Report and to the best of my knowledge the information presented in the report is accurate.
J.C.	4. I have not knowingly withheld any information necessary for the Applicant and/or Technical Information contact to complete the Application.

Engineer's Name: **Joe Consultant, P.Eng.**

Engineer Company Name: **P.E.S. Waste Inc.**

Engineer's Contact Signature: Joe Consultant

Date: November 14, 2008

Attachment 8
Reference Plan

PLAN OF SURVEY OF
LOT 1, CONCESSION 10
CITY OF ANYTOWN

SCALE 1: 2000



ACME SURVEYING COMPANY LTD.